

**CCGS LLC**

CCGS-CEC-001

**Mr. Craig Hoffman**  
**Compliance Project Manager**  
**(09-AFC-4C)**  
**California Energy Commission**  
**1516 Ninth Street (MS-2000)**  
**Sacramento, CA 95814**

August 12, 2011

Subject: **Oakley Generating Station Project, 09-AFC-4, COMPLIANCE-6**  
**Monthly Compliance Report No. 1 for the Reporting Period of: June 2011/July 2011**

Dear Mr. Hoffman,

Pursuant to Condition of the Certification COMPLIANCE-6, enclosed is the Oakley Generating Station Project Monthly Compliance Report No. 1 for the reporting period of June 2011 and July 2011.

To satisfy the CEC requirement for an electronic version this report is being submitted via an email.

Should you have any questions concerning this matter, please contact me at your earliest convenience or Mr. Zenis Walley at (415) 823-1493.

Sincerely,



**Thomas J. Chiangi**  
**Oakley Power Project Director**  
**Global Projects Organization**

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J. Crapo CBO Deputy Project Director  
M. Trask CH2MHill Compliance Manager

# **Oakley Generating Station Project**

**CEC Docket No. 09-AFC-4**

**Monthly Compliance Report No. 1**

**Reporting Period: June 2011/July 2011**



**Prepared by Contra Costa Generating Station LLC (CCGS)**

# **Oakley Generating Station Project**

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**CEC Docket No. 09-AFC-4**

**Monthly Compliance Report No. 1**

**Reporting Period: June 2011/July 2011**

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## INTRODUCTION

On May 18, 2011, the California Energy Commission (CEC) issued its Commission Decision (Docket No. 09-AFC-4) approving construction and operation of the Oakley Generating Station (OGS) Project. The CEC Compliance Project Manager (CPM) issued a Limited Notice to Proceed (LNTP)/Start of Construction Phase I activities on June 1, 2011 allowing the start of construction activities at the power plant site. The Full Notice to Proceed (FNTP) for Phase I activities was issued by the CEC on June 9, 2011. Similarly for Phase II activities the CEC issued a LNTP on June 24, 2011 with the FNTP following on July 26, 2011.

This document is a Monthly Compliance Report (MCR) as required by Condition of Certification COMPLIANCE-6. The information in it documents the engineering, procurement, construction, and compliance activities that were performed during the reporting period: June and July 2011.

## PROJECT STATUS (COMPLIANCE-6, 1)

Contra Costa Generating Station LLC (CCGS) (a wholly owned subsidiary of Radback Energy) has selected Oakley Power Constructors (OPC) to provide the engineering, procurement, and construction (EPC) services needed to construct the OGS Project. OPC is a project specific joint venture between Black & Veatch and Iberdrola. OPC will be the engineer and construction manager providing engineering/design services and overseeing the construction of the project. GE Energy is supplying the Gas Turbines, Steam Turbine, Generators, HRSG, DCS and CEMS and associated equipment as an integrated engineered equipment package. Pacific Gas & Electric Company (PG&E) will construct the transmission interconnection facilities, and will also design, build, and operate the natural gas pipeline associated with the project.

As of the end of July 2011, the Limited Notice to Proceed (LNTP) phase of the project was approximately 50 percent complete. The following table presents the percent complete numbers for the engineering, procurement, and construction activities as of the end of the month.

<u>Activity</u>	<u>Percent Complete</u>
Engineering	< 1%
Procurement	< 1%
Construction	< 1%

Through the months of June and July 2011 engineering continued with design and limited issuance of plant design.

OPC completed installation of the fire pump concrete foundation and began general site grubbing, clearing and mobilization preparation. They also installed SWPPP Phase 1 and 2 Best Management Practices (BPM) including SWPPP BMP in-and-around Wetlands D, E and F.



Weekly coordination calls and monthly progress meetings were held amongst CCGS, GE EEP, OPC, CEC, CBO, and CH2MHill during the reporting period.

A project summary schedule is included in Exhibit 1. A Key Events List is included in Exhibit 2. Due to the dynamic nature of a large-scale construction project, key event dates are subject to change. Construction photos taken during the reporting period are provided in Exhibits 3 and 7.

Groundbreaking ceremonies were held at the OGS Project site on July 12, 2011. Attendees included GE Energy, Radback Energy, CPUC, OPC, Du Pont, PG&E, CH2MHill and numerous other members of the local business community. Also attending were California State Senator Mr. Mark DeSaulnier, the City of Oakley Mayor Mr. Jim Frazier, the entire Oakley City Counsel, Iron House Sanitation District, Diablo Water District, the Contra Costa Building trades and representatives from organized labor.

The projected commercial operation date for the OGS Project is anticipated to be July 1, 2014.

## **ENGINEERING, PROCUREMENT, AND CONSTRUCTION ACTIVITIES**

This section of the MCR provides detailed information on the engineering, procurement, and construction activities that were accomplished during the reporting period.

### **ENGINEERING**

Status of project design will be established at the completion of contract negotiations with OPC.

Engineering design progress will be established at the completion of contract negotiations with OPC.

The master CBO submittal log was updated and posted to the CBO's website, where it is available for CEC CPM review. More specific details on the engineering and design activities conducted during the reporting period are described in Exhibit 4, which includes copies of CBO approvals received during the reporting period and lists the engineering activities planned for: August 2011.

### **PROCUREMENT**

Status of equipment/material procurement will be established at the completion of contract negotiations with OPC.

### **CONSTRUCTION**

The following construction activities were accomplished during June and July 2011:

#### General Activities

- Installation of fire pump concrete foundation
- Installation of SWPPP Phase 1 and 2 BMP

#### STG Activities

- None to Date

#### HRSG Activities

- Note to Date

#### Air Cooled Condenser Area

- None to Date

#### CTG Area Activities

- None to Date

#### Water Treatment Activities

- None to Date

#### Wetland Area Activities

- Installation of silt fencing and SWPPP BMP measures for erosion control around site and Wetland areas

The following construction activities are planned for August 2011:

#### General Activities

- Site rough grading and preparation

#### STG Activities

- None to Date

#### HRSG Activities

- Note to Date

#### Cooling Tower Area

- None to Date

#### CTG Area Activities

- None to Date

#### Water Treatment Activities

- None to Date

## Wetland Area Activities

- Installation of silt fencing and SWPPP BMP measures for erosion control

## **COMPLIANCE ACTIVITIES**

This section of the MCR describes activities that ensure compliance is achieved with all Conditions of Certification in the Commission Decision for the OGS Project. The following information meets the requirements in Condition of Certification COMPLIANCE-6.

### **Completed Compliance Activities**

This is MCR No. 1. By agreement with the CEC CPM, and based on site work during June 2011, it covers the reporting periods of June and July 2011. Future MCR will address the previous month reporting period.

### **Compliance Matrix (COMPLIANCE-6, 3)**

The compliance matrix (Exhibit 6) was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and the dates of any approvals by the CBO, CEC CPM, or other agencies having review or approval authority.

### **Conditions Satisfied and Required Documents Submitted With This MCR (COMPLIANCE-6, 2 & 4)**

The Commission Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in a MCR. The report format is designed to be comprehensive and inclusive of all Conditions of Certification that require monthly or “next” scheduled monthly reporting. However, only Condition elements required to be addressed or which occurred during the subject reporting period are included in their respective exhibits. The following one-time and/or monthly compliance activities were completed during the reporting period:

**AQ-SC3:** 1) Approximately 113,052 gallons of water were used for construction dust control. Work activities requiring dust control are more completely described in the AQCM’s monthly report in Exhibit 7. 2) No complaints were filed with the Bay Area Air Quality Management District during the reporting period. 3) No other documentation is attached for the reporting period.

**AQ-SC5:** 1) A summary of all actions taken to maintain compliance, 2) list of heavy equipment, and 3) other documentation necessary to verify compliance during the reporting period is included in Exhibit 7.

**AQ-SC10:** Documentation in the form of the MCR will be submitted to the CPM and APCO during the facility commissioning period to demonstrate compliance. This information will be included in Exhibit 11.

**BIO-2:** The Designated Biologist for the OGS Project is Mr. Rick Crowe with CH2MHill. A monthly Biological Resources Mitigation Implementation and Monitoring Report provides a summary of reporting period construction activities and associated biological monitoring, and is included in Exhibit 8.

**BIO-5:** During the reporting period 54 personnel received the Worker Environmental Awareness Program training. The total number of personnel trained to date is 54. Documentation of worker training records for the reporting period is included in Exhibit 9.

**BIO-6:** The Designated Biologist/Biological Monitor's provide monthly documentation on how the biological mitigation measures defined in the BRMIMP have been implemented during the reporting period. This information is included in Exhibit 8.

**BIO-7:** The Designated Biologist/Biological Monitor's provide monthly documentation on how the general impact avoidance and minimization measures have been implemented during the reporting period. This information is included in Exhibit 8.

**BIO-9:** The Designated Biologist/Biological Monitor's provide documentation on a pre-construction nest survey and on how impact avoidance and minimization measures related to nesting and breeding birds have been implemented during the reporting period. This information is included in Exhibit 8.

**BIO-10:** The Designated Biologist/Biological Monitor's provide monthly documentation on how measures to minimize or avoid harassment or harm to bat species have been implemented during the reporting period. This information is included in Exhibit 8.

**BIO-11:** The Designated Biologist/Biological Monitor's provide monthly documentation on implementation of Swainson's hawk tree mitigation and avoidance measures during the reporting period. This information is included in Exhibit 8.

**BIO-12:** The Designated Biologist/Biological Monitor's provide monthly documentation on implementation of Western Burrowing Owl impact avoidance and minimization measures during the reporting period. This information is included in Exhibit 8.

**BIO-13:** The Designated Biologist/Biological Monitor's provide monthly documentation on implementation of American Badger impact avoidance and minimization measures during the reporting period. This information is included in Exhibit 8.

**BIO-14:** The Designated Biologist/Biological Monitor's provide monthly documentation on implementation of San Joaquin Kit Fox impact avoidance and minimization measures during the reporting period. This information is included in Exhibit 8.

**BIO-15:** The Designated Biologist/Biological Monitor's provide monthly documentation on implementation of Western Pond Turtle impact avoidance and minimization measures during the reporting period. This information is included in Exhibit 8.

**BIO-16:** The Designated Biologist/Biological Monitor's provide monthly documentation on implementation of Giant Garter Snake impact avoidance and minimization measures during the reporting period. This information is included in Exhibit 8.

**BIO-17:** The Designated Biologist/Biological Monitor's provide monthly documentation on implementation of California Tiger Salamander impact avoidance and minimization measures during the reporting period. This information is included in Exhibit 8.

**BIO-18:** The Designated Biologist/Biological Monitor's provide monthly documentation on implementation of California Red-Legged Frog impact avoidance and minimization measures during the reporting period. This information is included in Exhibit 8.

**CIVIL-1:** Documentation of CBO approval letters during the reporting period is provided in Exhibit 4.

**CIVIL-3:** Documentation of all inspection non-conformance reports during the reporting period is provided in Exhibit 4.

**CIVIL-4:** Documentation of CBO approval letters submitted during the reporting period is provided in Exhibit 4.

**COMPLIANCE-5:** An updated compliance matrix is provided in Exhibit 6.

**COMPLIANCE- 6:** This MCR conforms to and satisfies the Condition of Certification.

**CUL-5:** During the reporting period 54 personnel received the Worker Environmental Awareness Program training. The total number of personnel trained to date is 54. Documentation of worker training records for the reporting period is included in Exhibit 9.

**CUL-6:** The Cultural Resources Specialist's monthly summary report is included in Exhibit 8.

**ELEC-1:** Documentation of transmittal of electrical construction design review and approval by the CBO during the reporting period is included in Exhibit 4.

**GEN-2:** A project schedule update is included in Exhibit 1.

**GEN-3:** Documentation of fee payment to the CBO and CBO receipt of payment during the reporting period is included in Exhibit 11.

**GEN-6:** Documentation of CBO approval of all special inspectors during the reporting period is included in Exhibit 4.

**GEN-7:** Documentation of CBO approval of any corrective action to resolve any design and/or construction discrepancy during the reporting period is included in Exhibit 4.

**GEN-8:** Documentation of 1) notices of completed work ready for CBO inspection, and 2) signed CBO statement that work conforms to final approval plans during the reporting period is included in Exhibit 4.

**MECH-1:** Document of CBO inspection approvals during the reporting period is included in Exhibit 4.

**MECH-2:** Document of CBO and/or Cal OSHA inspection approvals during the reporting period is included in Exhibit 4.

**PAL-4:** During the reporting period 54 personnel received the Worker Environmental Awareness Program training. The total number of personnel trained to date is 54. Documentation of worker training records for the reporting period is included in Exhibit 9.

**PAL-5:** A summary of the Paleontological Resource Specialist's activities during the reporting period is included in Exhibit 8.

**SOIL & WATER-1:** Documentation of the effectiveness of drainage, erosion and sediment control measures and the results of monitoring and maintenance activities during the reporting period is included in Exhibit 7.

**SOIL & WATER-6:** Documentation of the effectiveness of drainage, erosion and sediment control measures and the results of monitoring and maintenance activities pertaining to Wetland E during the reporting period is included in Exhibit 7.

**STRUC-1:** Documentation of CBO approval of structural plans, specifications, and calculations during the reporting period is included in Exhibit 4.

**STRUC-3:** Documentation of CBO approval of revised plans during the reporting period is included in Exhibit 4.

**STRUC-4:** Documentation of CBO approval of inspections during the reporting period is included in Exhibit 4.

**TRANS-4:** Documentation that required permits were obtained during the reporting period is included in Exhibit 4.

**TSE-1:** Documentation of submittal of a construction schedule and updates to the CBO during the reporting period is provided in Exhibit 4.

**TSE-4:** Documentation of submittal of final design plans, specifications and calculations to the CBO during the reporting period is provided in Exhibit 4.

**WASTE-7:** Documentation of new or revised hazardous waste generation notifications or changes in the generator identification number during the reporting period is included in Exhibit 11.

**WORKER SAFETY-3:** Documentation of 1) employees trained, 2) safety management actions safety-related incidents, 3) unresolved situation and incidents that may pose a danger to life and health, and 4) reports of accidents and injuries during the reporting period is included in Exhibit 10.

**Submittal Deadlines (COMPLIANCE-6, 5)**

No submittal deadlines were missed during the reporting period.

**Approved Changes to Conditions of Certification (COMPLIANCE-6, 6)**

No changes to the Conditions of Certification occurred during the reporting period.

**Filings or Permits Issued by Other Governmental Agencies (COMPLIANCE-6, 7)**

- June 2, 2011 - Bay Area Air Quality Management District (BAAQMD) issued the Authority to Construct. (Exhibit 11)
- June 6, 2011 - CBO issued a Phase I notice for construction of the fire pump and associated facilities. (Exhibit 11)
- June 14, 2011- USEPA issued RCRA Site Location ID No. CAR000219410 (Exhibit 11)

**Projected Compliance Activities for: August and September 2011 (COMPLIANCE-6, 8)**

The following compliance activities are projected for August and September 2011:

- Adhere to Conditions of Certification, defined herein, that require monthly activities and/or per event submittals.
- AQ-49 – Contact BAAQMD to request CEMS design specifications and requirements.
- BIO-9 – Submit Pre-Construction Nest Survey Report, prior to tree removal, to the CEC.
- BIO-10 – Submit Pre-Construction Bat Survey Report, prior to tree removal, to the CEC.
- COMPLIANCE-5 and -6 – Submit MCR and compliance matrix to the CEC.
- WASTE-6 – Submit Debris Recovery Plan: Pre-Construction to the City of Oakley.
- Submit 2011 Annual SWPPP Report to the Regional Water Quality Control Board.
- CEC compliance staff site visit.

**Listing of Additions to Onsite Compliance Files (COMPLIANCE-6, 9)**

Copies of the documents included in MCR exhibits will be added to the onsite compliance files.

**Listing of Complaints, NOV, Official Warnings and Citations (COMPLIANCE-6, 10)**

No complaints, NOV, official warnings or citations were issued or received during the reporting period.

# PROJECT SCHEDULE

## EXHIBIT 1

July 1, 2011 through Oct 31, 2011 Supplier activities:

- Begin piling, foundation, and pedestal, and table-top (where applicable) design packages for CBO review/approval of the following buildings/systems:
  - ACC and auxiliaries
  - HRSG and auxiliaries
  - CTG and auxiliaries (incl. excitation module, LCI, exhaust)
  - STG and auxiliaries (incl. electrical modules, steam sample module)
  - Step-up and auxiliary transformers
  - Auxiliary boiler
  - Switchgears
  - Administration bldg., warehouse, water treatment bldg., CEMS, guard house
- Perform mechanical system engineering and support as required for the below described specifications and contracts.
- Perform electrical and controls system engineering and support required for the below described specifications and contracts.
- Develop specification, bid, and award the following contracts:

**(Note)** – Selective awards include release for engineering but may withhold release for manufacturing and material commitments pending close of debt financing The Power Transformer-Alternate Source [Construction Power Transformer] and oil water separator will be released for manufacture. Bids and awards will be based on the Project Schedule per the Level 1 EPC Schedule Revision N dated June 28, 2011)

- Boiler Feed Pumps



- Sanitary Facilities – ON-GOING
- Electrical construction
- Mechanical construction
- Piling
- Construction power transformer – ON-GOING
- Oil water separator
- Underground piping and duct bank
- Gas compressors
- Water systems
- Building material (pre-fabricated)
- MCCs, SUS's, batteries, ESS service equipment
- Step-up and auxiliary transformers
- Auxiliary boiler
- Issue site clearing/grubbing IFC drawings
- Issue site grading/drainage IFC drawings
- Develop/Issue (when available) IFC drawings for excavation, foundation, pedestal and table-top package of the following equipment/system:
  - Construction power transformer – ON-GOING
  - ACC and auxiliaries
  - HRSG and auxiliaries
  - CTG and auxiliaries (incl. excitation module, LCI, exhaust)
  - STG and auxiliaries (incl. electrical modules, steam sample module)
  - Step-up and auxiliary transformers
  - Auxiliary boiler
  - Switchgears
  - Administration bldg., warehouse, water treatment bldg., CEMS, and guard house

- Begin Clear/grub remainder of site
- Install construction phase bio swales in accordance with SWPPP/DESCP
- Begin Rough/fine grade remainder of site
- Begin Bathtub excavation of major foundation areas
- Develop the laydown area
- Grade the foundation areas for the following areas/systems:
  - ACC and auxiliaries
  - HRSG and auxiliaries
  - CTG and auxiliaries (incl. excitation module, LCI, exhaust)
  - STG and auxiliaries (incl. electrical modules, steam sample module)
  - Step-up and auxiliary transformers
  - Auxiliary boiler
  - Switchgears
  - Administration bldg., warehouse, water treatment bldg., CEMS, guard house

Company activities during the TSA Period to support Supplier shall include the following:

- Obtain CEC Certification
- Secure project financing
- Provide necessary access to Site for Supplier to perform Services
- Award CBO contract – COMPLETE
- Award Special Inspection contract - COMPLETE
- Provide required Construction Power to the tie-in location
- Pre-release GE supplied equipment engineering information
- Pre-release Power block Engineering
- Issue Design Memo
- Issue General Specification

- Issue Site Data Specification
- HRSG specification development - COMPLETE
- Bid HRSG - COMPLETE
- Award HRSG contract – for engineering design drawings and potentially for long lead materials and shop/manufacturing slot
- Issue Design Basis Documents (DBD) - Mechanical - COMPLETE
- Issue Design Basis Documents (DBD) - Electrical - COMPLETE
- Issue Design Basis Documents (DBD) - Control/I&C - COMPLETE
- Issue Design Basis Documents (DBD) - Civil/Structural - COMPLETE
- Issue T219 Functional Specification (BFP and ACC)
- Develop DCS Specification
- Develop Bypass Valve Specification
- Develop Control Valve Specification
- Develop Vibration Monitoring Specification
- Issue preliminary & NTE Steam Turbine design information
- Issue preliminary & NTE Gas Turbine design information
- Issue preliminary & NTE Generator design information
- Issue preliminary & NTE HRSG design information
- Issue preliminary HRSG drum level control valves design information
- Issue preliminary DCS design information
- Issue preliminary bypass valves design information

## **KEY EVENTS LIST**

### **EXHIBIT 2**

On June 1, 2011 meetings between GE and OPC were held in Salem, VA at the GE facility related to control systems to present to OPC with an over view of what will be provided by GE related to the .05 Control system.

On June 2, 2011 the Bay Area Air Quality Management District (BAAQMD) issued the Authority to Construct.

Between June 6, 2011 and June 8, 2011, meetings were held between CCGS, GE and OPC in Overland Park, KS at the OPC Headquarters

On June 8, 2011 a meeting was held between CCGS and the Labor Unions IBEW and OE3 to complete an agreement such that these two Unions were in agreement with the current Project Labor Agreement (PLA). An addendum to the PLA was drawn up by the Labor Union Legal organization and would be presented to the two Unions for ratification. This ratification was expected before the end of June 2011.

On June 9, 2011 CCGS hired their Compliance Manager, Mr. Zenis Walley. Mr. Walley's duties will be to ensure that the Oakley Power Project complies with all California Environmental requirements during the construction, commissioning and operating phases of the project.

On June 15, 2011 a conference call was held between GE Prolec, GE, CCGS, OPC and PG&E to give PG&E a detailed overview of the protection scheme related to the Prolec Switchgear.

On June 21, 2011 the Diesel Fire Pump foundation concrete was poured.

On June 22, 2011 the CEC Compliance staff visited the site to receive site safety training and Workers Environmental Awareness Program training. The CEC also were able to witness the Diesel Fire Pump foundation as a completed foundation.

On June 28, 2011 the Diesel Fire Pump foundation forms were stripped from the foundation and the foundation area backfilled.

On July 12, 2011 groundbreaking ceremonies took place at the OGS Project site. It was well attended by supporters, elected officials, and numerous stakeholders.

On July 14, 2011 the amended LNTP for OGS scope of work was approved and executed.

The site specific seismic response analysis was completed in July. A final report is expected in August.

Continued development of procurement and subcontract packages as well as the deployment of SWPPP BMP's for Phase II occurred in July.

CBO review comments to the OPC approved for construction drawings, specifications and calculations were resolved for:

- Grading and Drainage
- Erosion Control
- Surfacing and Fencing
- Roads and Parking

Weekly conference calls continue to be held to cover the following:

- CCGS/OPC/CH2MHill MCR Preparation – every Monday
- CCGS Internal Compliance Review – every Tuesday
- Oakley External Compliance Matrix Review – every Wednesday
- Oakley External CBO Review – every Wednesday

## KEY EVENTS LIST

**PROJECT:** Oakley Generating Station

**DOCKET No.:** 09-AFC-4

**COMPLIANCE PROJECT MANAGER:** Craig Hoffman

EVENT DESCRIPTION	DATE
CEC Decision Date	May 18, 2011
Obtain Site Control	December 2008
Online Date	July 1, 2014
<b>POWER PLANT SITE ACTIVITIES</b>	
Start Site Mobilization	June 2011
Start Ground Disturbance	June 2011
Start Grading	June 2011
Start Construction	June 2011
Begin Pouring Major Foundation Concrete	TBD
Begin Installation of Major Equipment	TBD
Completion of Installation of Major Equipment	TBD
First Combustion of Gas Turbine	TBD
Obtain Building Occupation Permit	TBD
Start Commercial Operation	July 1, 2014
Complete All Construction	TBD
<b>TRANSMISSION LINE ACTIVITIES</b>	
Start T/L Construction	TBD
Synchronization with Grid and Interconnection	TBD
Complete T/L Construction	TBD
<b>FUEL SUPPLY LINE ACTIVITIES</b>	
Start Gas Pipeline Construction and Interconnection	TBD
Complete Gas Pipeline Construction	TBD
<b>WATER SUPPLY LINE ACTIVITIES</b>	
Start Water Supply Line Construction	TBD
Complete Water Supply Line Construction	TBD

Note: Due to the dynamic nature of a large-scale construction project, key event dates are subject to change. TBD = To be determined.

## **CONSTRUCTION PHOTOGRAPHS**

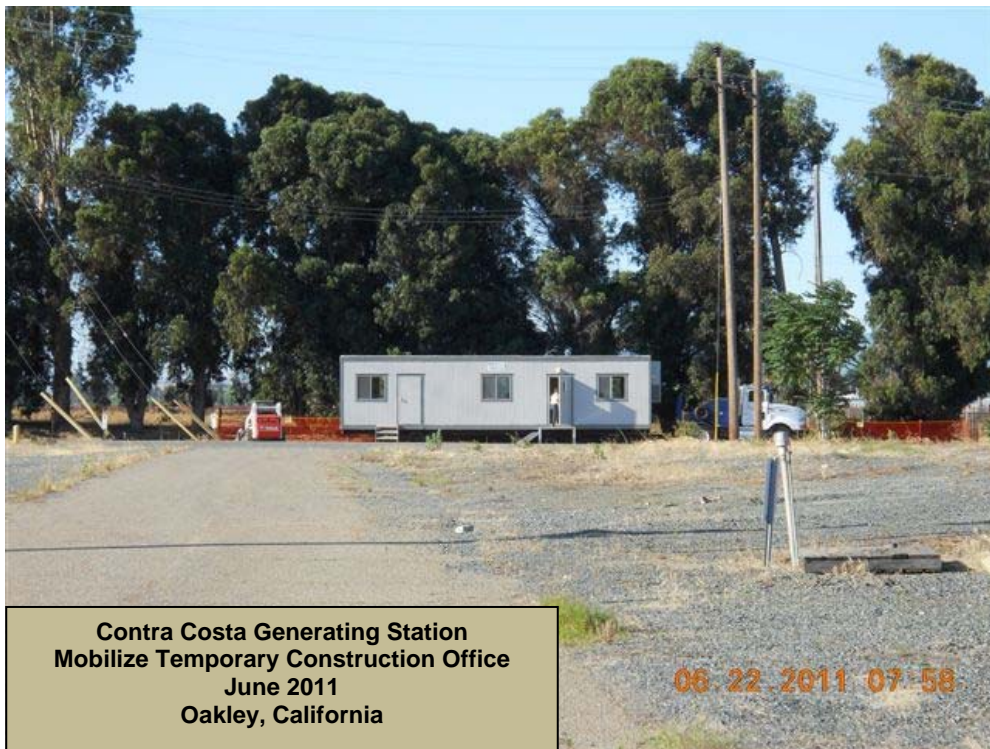
### **EXHIBIT 3**

See Exhibit 7 for additional site photos attached to the weekly SWPPP Visual Inspection Field Log Sheets.

## 12.0 Project Site Photos







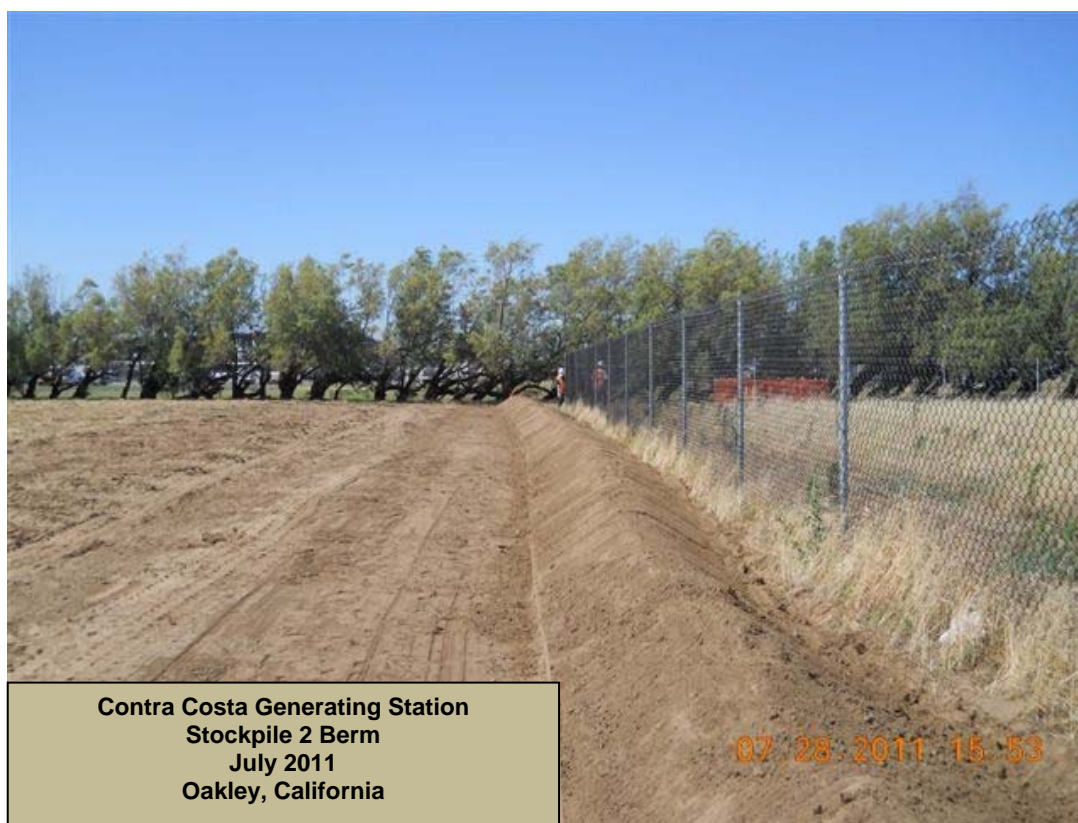
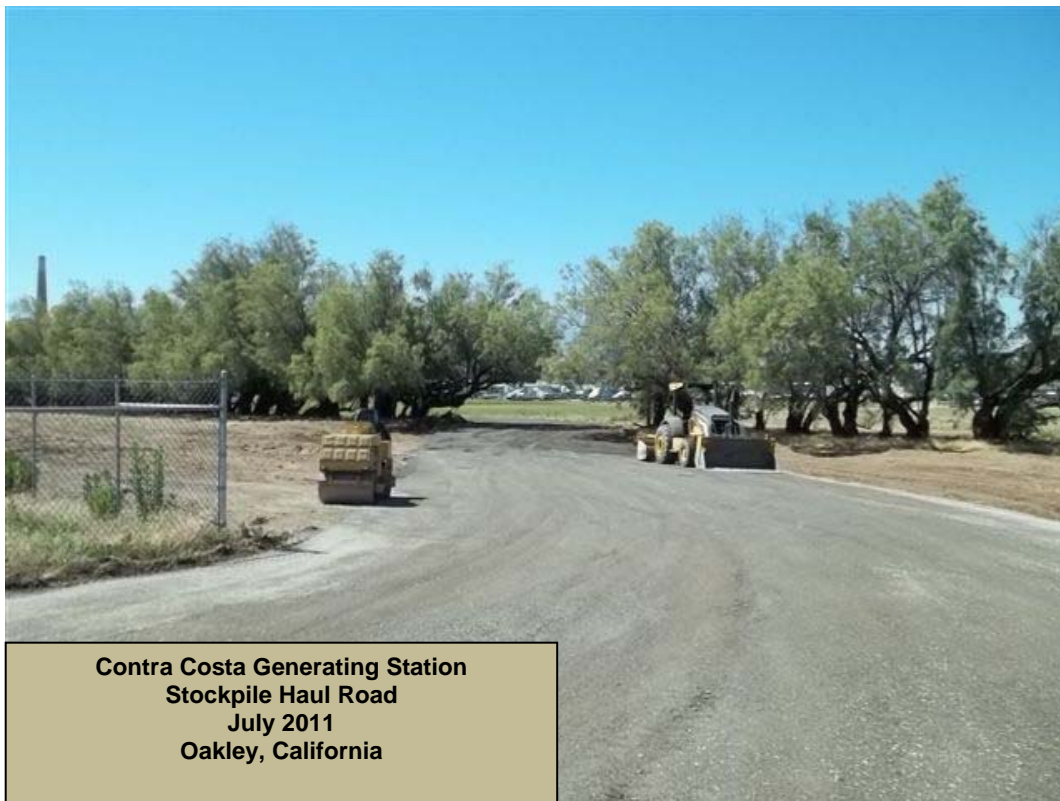
**Contra Costa Generating Station  
Wetland E SWPPP in Progress  
June 2011  
Oakley, California**





## 12.0 Project Site Photos







**Contra Costa Generating Station  
South Fence Relocation  
July 2011  
Oakley, California**



**Contra Costa Generating Station  
Ground Breaking Ceremony  
July 2011  
Oakley, California**



# **CONSTRUCTION PROGRESS REPORT**

## **EXHIBIT 4**

### **Site**

- Mobilized on site on June 2, 2011 for Safety/WEAP training.
- Completed installation of Phase 1 SWPPP around Wetland E.
- Completed installation of Phase 1 SWPPP required for Diesel Fire Pump foundation installation.
- Completed required land survey work for fence installation and fire pump foundation placement.
- Completed installation of Phase 1 ESA fencing around existing trees.
- Completed installation of Phase 1 construction chain link fence – west side of project.
- Completed grubbing and grading required for Diesel Fire Pump foundation.

### **Installation**

- Began development of construction water supply connection.
- Prepared/backfilled areas around diesel fire pump foundation.
- Repaired potholes in north access road/trim tree at north access road entrance.
- Procured and placed project signs at entrances.
- Completed GPR survey of underground utilities.
- Began placement of Phase 2 ESA fencing.
- Backfilled excavation made by Praxair after locating N2/O2 line isolation points south of project fence.
- Mobilized temporary construction power Diesel Generator.

- Completed development/review of subcontract and construction.

### **Specifications**

- Continued constructability reviews of engineering drawings.
- Mobilized site security services (Camelot Security).
- Mobilized site sanitary services (Farwest Sanitation).
- Mobilized site waste disposal (Oakley Disposal Services).
- Coordinated Special Inspectors (Signet).
- Coordinated on-site CBO inspections.
- Mobilized temporary office trailer.
- Contacted/coordinated with various utilities to determine isolation points of lines crossing the project site.
- Contacted BNSF Railroad Company for coordinating the south fence relocation.
- OPC mobilized the following staff: Mark McKeon – Environmental, Health & Safety Specialist.



CONTRA COSTA COUNTY  
Department of Conservation & Development  
Building Inspection Division  
651 Pine Street, N. Wing - 3<sup>rd</sup> Floor  
Martinez, CA 94553 1229

## OAKLEY GENERATING STATION PROJECT TRANSMITTAL


**DATE** : June 3, 2011  
**FROM** : Jacqueline Ritchie  
**RE** : Contra Costa County Building Inspection has reviewed the attached listed items for OPC Oakley Generating Station Project - Building Permit#: BIIN11-002004

Total packages included in this Transmittal: 1

Sent for your ☐ Information ☒ Review ☐ As Requested

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1 (CBO-00002)  
BS-00008  
Approved


  
Deborah Sandercock, S.E.  
Supervising Structural  
Engineer

Marie Taylor  
Supervising Building  
Inspector

Gary Faria  
Senior Grading Inspector



# Oakley Generating Station - Transmittal Report

CBO #	Rec Date	Dwg No	Rev	Rev Date	Description	Apv Date	Upload/Rtn Date	Comments
OPC-CBO-2011-012								
	6/3/2011	P172939-1	STA-S3801		Trailer Stair Design - DEFERRED		6/3/2011	Signed - Deferred, to be re-submitted
	6/3/2011	Construction Trailer_Insignia			Trailer Insignia	6/3/2011	6/3/2011	Approved
	6/3/2011	Construction Trailer_Fnd Drawing			Trailer Foundation Drawing	6/3/2011	6/3/2011	Approved
	6/3/2011	Construction Trailer_Calculations			Trailer Calcs	6/3/2011	6/3/2011	Approved



CONTRA COSTA COUNTY  
Department of Conservation & Development  
Building Inspection Division  
651 Pine Street, N. Wing - 3<sup>rd</sup> Floor  
Martinez, CA 94553 1229

## OAKLEY GENERATING STATION PROJECT TRANSMITTAL

**DATE** : June 3, 2011  
**FROM** : Jacqueline Ritchie  
Contra Costa County Building Inspection has reviewed the attached listed  
items for OPC Oakley Generating Station Project - Building Permit#:  
**RE** : BIIN11-002004

Total packages included in this Transmittal: 1

Sent for your ☐ Information ☒ Review ☐ As Requested

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

CIVIL-1 (CBO-00001)  
BS-00006  
Approved


Deborah Sandercock, S.E.  
Supervising Structural  
Engineer

Marie Taylor  
Supervising Building  
Inspector

Gary Faria  
Senior Grading Inspector

# Oakley Generating Station - Transmittal Report

CBO #	Rec Date	Dwg No	Rev	Rev Date	Description	Apv Date	Upload/Rtn Date	Comments
OPC-CBO-2011-010								
		P172939-1STF- S3001AREV 1			Grading and Drainage - Site Plan Phase 1	6/3/2011	6/3/2011	Approved
		P172939-1STF- S3000REV 1			Grading and Drainage - Site Key Plan, General Notes, and Legend	6/3/2011	6/3/2011	Approved
		P172939-1STE- S3150REV 1			Erosion Control - Site Erosion and Control Sections and Details	6/3/2011	6/3/2011	Approved
		P172939-1STE- S3920REV 1			Erosion Control - Site Sections and Details	6/3/2011	6/3/2011	Approved
		P172939-1 GAU- G1000rev1			Site - Arrangement Overall Site Plot Plan	6/3/2011	6/3/2011	Approved



CONTRA COSTA COUNTY  
Department of Conservation & Development  
Building Inspection Division  
651 Pine Street, N. Wing – 3<sup>rd</sup> Floor  
Martinez, CA 94553 1229

## OAKLEY GENERATING STATION PROJECT TRANSMITTAL

**DATE** : June 5, 2011  
**FROM** : Jacqueline Ritchie  
**RE** : Contra Costa County Building Inspection has reviewed the attached listed items for OPC Oakley Generating Station Project - Building Permit#: BIIN11-002004

Total packages included in this Transmittal: 1

Sent for your ☐ Information ☒ Review ☐ As Requested

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1 (CBO-00001)  
BS-00003 & BS-00005  
Approved

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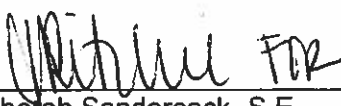
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Deborah Sandercock, S.E.  
Supervising Structural  
Engineer

\_\_\_\_\_  
Marie Taylor  
Supervising Building  
Inspector

\_\_\_\_\_  
Gary Faria  
Senior Grading Inspector

# Oakley Generating Station - Transmittal Report

CBO #	Rec Date	Dwg No	Rev	Rev Date	Description	App Date	Upload/Rtn Date	Comments
<i>OPC-CBO-2011-007</i>								
	05/04/2011	71_0201	Site Services - Conc Reinf -		Concrete Reinforcement		06/03/2011	Reviewed for Reference Only
	05/04/2011	71_0201	Site Services - CIP Conc -		Cast in Place Concrete		06/03/2011	Reviewed for Reference Only
	05/04/2011	58.0815.1101.01 -	Diesel Fire Water		Diesel Fire Water Pump Foundation Design	06/01/2011	06/03/2011	Approved
	05/04/2011	P172939-1UUU-S5952			General - Foundations - Typical Reinforcement Details & Sections	06/01/2011	06/03/2011	Approved
	05/04/2011	P172939-1UUU-S5951			General - Foundations - Details & Sections	06/01/2011	06/03/2011	Approved
	05/04/2011	P172939-1BSU-G2600			Plant Arrangement Water Treat Area		06/03/2011	Reviewed for Reference Only
	05/04/2011	71_0201	Site Services - Conc		Concrete Supply		06/03/2011	Reviewed for Reference Only
<i>OPC-CBO-2011-009</i>								
	05/26/2011	P172939-1UUU-S5960rev1			General - Foundations Typical Anchor Rod Details	06/01/2011	06/03/2011	Approved
	05/26/2011	P172939-1UUU-S5950rev1			General - Foundations Notes, Legends & Typical Details	06/01/2011	06/03/2011	Approved
	05/26/2011	P172939-1BSU-S5605rev1			Water Treatment Area - Foundations Diesel Fire Pump - Plans, sect & det	06/01/2011	06/03/2011	Approved



CONTRA COSTA COUNTY  
Department of Conservation & Development  
Building Inspection Division  
651 Pine Street, N. Wing - 3<sup>rd</sup> Floor  
Martinez, CA 94553 1229

## OAKLEY GENERATING STATION PROJECT TRANSMITTAL

**DATE** : June 9, 2011  
**FROM** : Jacqueline Ritchie  
Contra Costa County Building Inspection has reviewed the attached listed  
items for OPC Oakley Generating Station Project - Building Permit#:  
**RE** : BIIN11-002004

Total packages included in this Transmittal: 1

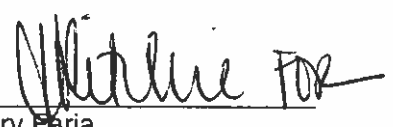
Sent for your ☐ Information ☒ Review ☐ As Requested

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

CIVIL-1 (CBO-00001)  
Remaining 3 drawings -  
Approved


Deborah Sandercock, S.E.  
Supervising Structural  
Engineer

Marie Taylor  
Supervising Building  
Inspector

  
Gary Paria  
Senior Grading Inspector

# Oakley Generating Station - Transmittal Report

CBO #	Rec Date	Dwg No	Rev	Rev Date	Description	App Date	Upload/Rtn Date	Comments
OPC-CBO-2011-006								
	5/2/2011	P172939-1STA-S3401A			Roads & Parking - Site Roadway Plan - Phase 1	6/8/2011	6/9/2011	Approved
	5/2/2011	P172939-1STD-S3201A			Surfacing & Fencing - Site Surfacing & Fencing Plan - Phase 1	6/8/2011	6/9/2011	Approved
	5/2/2011	P172939-1STE-S3101A			Erosion Control - Site Erosion Control Plan - Phase 1	6/8/2011	6/9/2011	Approved - missing OPC signature (notified g.jamison)



CONTRA COSTA COUNTY  
Department of Conservation & Development  
Building Inspection Division  
651 Pine Street, N. Wing – 3<sup>rd</sup> Floor  
Martinez, CA 94553 1229

## OAKLEY GENERATING STATION PROJECT TRANSMITTAL

**DATE** : June 16, 2011  
**FROM** : Jacqueline Ritchie  
**RE** : Contra Costa County Building Inspection has reviewed the attached listed items for OPC Oakley Generating Station Project - Building Permit#: BIIN11-002004

Total packages included in this Transmittal: 1

Sent for your ☐ Information ☒ Review ☐ As Requested

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1 (CBO-00002)  
OPC-CBO-2011-014  
Approved


Deborah Sandercock, S.E.  
Supervising Structural  
Engineer

Marie Taylor  
Supervising Building  
Inspector

Gary Faria  
Senior Grading Inspector



# ***Oakley Generating Station - Transmittal Report***

<i><b>CBO #</b></i>	<i><b>Rec Date</b></i>	<i><b>Dwg No</b></i>	<i><b>Rev</b></i>	<i><b>Rev Date</b></i>	<i><b>Description</b></i>	<i><b>Apv Date</b></i>	<i><b>Upload/Rtn Date</b></i>	<i><b>Comments</b></i>
<i><b>OPC-CBO-2011-014</b></i>								
		Quickdeck Ramp Calcs (no change)			Trailer Stair Design Calcs	6/16/2011	6/16/2011	Approved
		Quickdeck Stair Access			Typical Stair Assembly, Typical Intermediate Landing	6/16/2011	6/16/2011	Approved



## NON-CONFORMANCE LOG

NCR No.	Preparer / Department	Issued Date	Responsible Department	Schedule Close Date	Actual Close Date	Remarks
0001	WFS/Site QC	06/21/2011	Civil/Engineering	7/30/2011		Low Entrained Air in Class B-1 Concrete placed at Diesel Fire Pump Foundation.
0002	WFS/Site QC	7/27/2011	Civil/Engineering	8/31/2011		Low 28 Day Compressive Strength in Class B-1 Concrete placed at Diesel Fire Pump Foundation Cylinders.
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**NONCONFORMANCE REPORT****NCR NO. 0001**

Project No. 172939 Project Name Oakley Generating Station Hold Tag No. 172939-0001  
References: Drawing No. 1BSU-S5605, Rev. 1 P.O. No. \_\_\_\_\_ Spec No. 172939.71.0201  
Part/Item Description Diesel Fire Pump Foundation [1BSU-FDNA-101] ASME? ☐ Yes ☒ No  
Part/Item Location Diesel Fire Pump Foundation [1BSU-FDNA-101]

Nature of Nonconformity ☐ Damage ☒ Material ☐ Workmanship ☐ Other

**Nonconforming Condition**

Class B-1 concrete delivered to site and placed in Diesel Fire Pump Foundation [20 CY], Entrained Air requirements for this mix design [Central Concrete Supply, 1EF135Z1] specifies 3.0% Air Entrainment. First truck [10 CY] was sampled and the testing results were as follows: 4.75" Slump, 1.2% Air Entrainment [(5) Compressive Strength Cylinders formed], second truck [10 CY] was sampled and the testing results were as follows: 3.25" Slump, 1.3% Air Entrainment [No Compressive Strength Cylinders formed]. Both loads of concrete were below specified Air Entrainment range.

Reported By William Strasburg Date 6/21/11 Validated By Steve Fawcett Date 6/21/11

**Proposed Corrective Action**

The foundation slab is primarily contained within the Water Treatment Facility structure and will have minimal exposure to the outside environment, also due to the geographical location of the project, it is of minimal risk of being exposed to any freeze/thaw cycles. As this is the case, the disposition should be an engineering evaluation to use as is.

Proposed By William Strasburg Date 06/21/11 ☒ Minor Nonconformance ☐ Major Nonconformance

Disposition: ☐ Reject ☐ Rework ☐ Repair ☒ Use-As-Is ☐ Void

**Remarks**

Dispositioned by (RE) \_\_\_\_\_ Date \_\_\_\_\_  
Concurrence by (RM) (For All NCRs) \_\_\_\_\_ Date \_\_\_\_\_  
Concurrence by (RM) (For Void) \_\_\_\_\_ Date \_\_\_\_\_  
Concurrence by PEM (For Repair or Use-As-Is Disposition) \_\_\_\_\_ Date \_\_\_\_\_  
Concurrence by AI (As Required by ASME Code) \_\_\_\_\_ Date \_\_\_\_\_  
Concurrence by CBO (As Required by Contra Costa County) \_\_\_\_\_ Date \_\_\_\_\_  
Concurrence by CCGS (Radback/GE As Required) \_\_\_\_\_ Date \_\_\_\_\_

QC Acceptance After Rework Reinspection \_\_\_\_\_ Date \_\_\_\_\_

AI Acceptance After Reinspection \_\_\_\_\_ Date \_\_\_\_\_

Closed Out by BVQR \_\_\_\_\_ Date \_\_\_\_\_

**NONCONFORMANCE REPORT****NCR NO. 0002**

Project No. 172939 Project Name Oakley Generating Station Hold Tag No. 172939-0001  
References: Drawing No. 1BSU-S5605, Rev. 1 P.O. No. 71.0201 Spec No. 172939.71.0201, Sect. 03311  
Part/Item Description Diesel Fire Pump Foundation [1BSU-FDNA-101] ASME? ☐ Yes ☒ No  
Part/Item Location Diesel Fire Pump Foundation [1BSU-FDNA-101]

Nature of Nonconformity ☐ Damage ☒ Material ☐ Workmanship ☐ Other

**Nonconforming Condition**

Class B-1 concrete delivered to site and placed in Diesel Fire Pump Foundation [20 CY], 28 Day compressive Strength cylinders [2] broken at 3800/3850 psi for AVG. 3825 psi. Results are below specified 4000 psi for this class concrete. Breaks reported by Signet Testing Lab [Hayward, CA] on a break date of 7/19/2011. Note this concrete was also reported for a Non Conformance [Low Entrained Air], (see NCR 0001).

Reported By William Strasburg Date 7/27/11 Validated By Steve Fawcett Date 7/27/11

**Proposed Corrective Action**

[2] remaining compressive strength samples [cylinders] will be tested @ 56 days [8/16/2011]. Results will be evaluated at that time and engineering evaluation should be made based on test results and structural requirements of this slab. Investigation will be made into Central Ready Mix's batch plant/ batching practices to determine root cause of non conforming concrete. Hold tag [172939-0001] placed for NCR 0001, will remain in place until close out of this and any other subsequential and relative NCR's concerning this item.

Proposed By William Strasburg Date 07/27/11 ☐ Minor Nonconformance ☒ Major Nonconformance

Disposition: ☐ Reject ☐ Rework ☐ Repair ☐ Use-As-Is ☐ Void

**Remarks**

Dispositioned by (RE)	_____	Date	_____
Concurrence by (RM) (For All NCRs)	_____	Date	_____
Concurrence by (RM) (For Void)	_____	Date	_____
Concurrence by PEM (For Repair or Use-As-Is Disposition)	_____	Date	_____
Concurrence by AI (As Required by ASME Code)	_____	Date	_____
Concurrence by CBO (As Required by Contra Costa County)	_____	Date	_____
Concurrence by CCGS (Radback/GE As Required)	_____	Date	_____

QC Acceptance After Rework Reinspection	_____	Date	_____
AI Acceptance After Reinspection	_____	Date	_____

Closed Out by BVQR	_____	Date	_____
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# POST-PLACEMENT INSPECTION

Finish  
Curing  
Freeze Protection

*Must  
Rebar wall cure*

*RLS 6-21-11  
RLS 6-21-11  
RLS 6-21-11*

## Remarks:

- 1) The exposed corners of the foundation shall not be chamfered.
- 2) See attached report concerning special inspection of subgrade.
- 3) 3" clearance of rebar from subgrade/2' clearance from formwork and below top of concrete.
- 4) Concrete shall be protected from loss of moisture for not less than 7 days after the concrete is placed. (See Paragraph 03311.3.11) \*
- 5) See Paragraph 03311.3.17 Field Control Testing for testing/sampling requirements.

*\* Spray on Curing Compound to be used.*

Superintendent

*[Signature]*

Date *6-21-11*

Site QA Manager

*[Signature]*

Date *6-21-2011*

Special Inspector

*[Signature] Jeff Bosque*

Date *6/16/11*

CBO Official

*AM Taylor ok to pour*

Date *6-16-11*

*CBO official  
(Carrying)*

*Ampt in Foundation S.G.*

*6/15/2011*

*[Signature]*

*6-21-2011*

## LOOK AHEAD SCHEDULE

### EXHIBIT 5

#### Administrative

- CCGS mobilize Site Staff.
- Develop Inspection Test Plan.

#### Civil/Structural

- Continue with underground design and weekly coordination meetings.
- Continue with the Site Specific Seismic Response Analysis work.
- Continue support for package development and/or bid activities for procurement and subcontract packages.
- Resolve CBO review comments to the OPC approved for construction drawings, construction specifications, and calculations for the following design items for the permanent plant and east construction laydown area:
  - Grading and Drainage
  - Erosion Control
  - Surfacing and Fencing
  - Roads and Parking
- Continue with review of GE-EEP document submittals.
- Initiate HRSG foundation layout and design.
- Initiate STG foundation layout and preliminary design.

## **Mechanical**

- Continue evaluation of ACC vendor bids and award contract.
- Continue evaluation of Alloy Pipe vendor bids and award contract.
- Complete in-house review and continue preparation of Boiler Feed Pump specification for bid issue.
- Continue preparing preliminary Piping and Instrument Diagrams for critical systems.
- Continue processing of combustion turbine and steam turbine drawing submittals.
- Continue underground pressure piping design, routing, and terminal points list development.
- Begin weekly above space control meetings.

## **Electrical**

- Continue design of underground ductbank.
- Continue design of the auxiliary electric system.
- Complete the VAR study.
- Issue Construction Power Drawings to the CBO.
- Begin electrical and control equipment tagging.
- Begin Balance of Plant (BOP) DCS I/O Estimate.
- Start the Auxiliary Electric System (ETAP) study.
- Support resolution of remaining electrical/control open proposal issues.



# **COMPLIANCE MATRIX**

## **EXHIBIT 6**

## **Oakley Generating Station Compliance Matrix Legend**

### **Acronym and Abbreviation List**

ACR	Annual Compliance Report
ANSI	American National Standards Institute
API	American Petroleum Institute
AQ	Air Quality
AQCMM	Air Quality Construction Mitigation Manager
AQCMP	Air Quality Construction Mitigation Plan
AQ-SC	Air Quality-Standard Construction
ASME	American Society of Mechanical Engineers
BAAQMD	Bay Area Air Quality Management District
BIO	Biological Resources
BMP	Best Management Practice
BRMIMP	Biological Resources Mitigation Implementation and Monitoring Plan
CalARP	California Accidental Release Program
Cal ISO	California Independent System Operator
Cal-OSHA	California Division of Occupational Safety and Health
CBO	Chief Building Officer (Contra Costa County)
CCCHSD-HCP	Contra Costa County Health Services Department – Hazardous Materials Program
CDFG	California Department of Fish & Game
CEC	California Energy Commission
CFR	Code of Federal Regulations
CHRIS	California State Historical Resources Commission
COMM	Commissioning
CONS	Construction

CPM	Compliance Project Manager
CPUC	California Public Utilities Commission
CRMMP	Cultural Resources Monitoring and Mitigation Plan
CRR	Cultural Resources Report
CRS	Cultural Resources Specialist
CUL	Cultural Resources
CV RWQCB	Central Valley Regional Water Quality Control Board
DESCP	Drainage, Erosion, and Sedimentation Control Plan
DOT	Department of Transportation
ECCFPD	East Contra Costa Fire Protection District
ELEC	Electrical
ERC's	emission reduction credits
FAA	Federal Aeronautics Administration
HAZ	Hazardous Materials
HVAC	Heating, Ventilation and Air Conditioning
HMBP	Hazardous Materials Business Plan
LORS	Law, Ordinances, Regulations and Standards
MCR	Monthly Compliance Report
ME	Mechanical Engineer
MECH	Mechanical
NPDES	National Pollutant Discharge Elimination System
NTSB	National Transportation Safety Board
OGS	Oakley Generating Station
OPS	Operations
PC	Pre-construction

PRMMP	Paleontological Resources Monitoring and Mitigation Plan
PRR	Paleontological Resources Report
RE	Resident Engineer
RMP	Risk Management Plan
RWQCB	Regional Water Quality Control Board
SOCIO	Socioeconomic Resources
S&W	Soil & Water
SPCCP	Spill Prevention, Control, and Countermeasure Plan
STRUC	Structural
SWCP	Storm Water Control Plan
SWPPP	Storm Water Pollution Prevention Plan
TBD	To be determined
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
WATCH	Work Area Traffic Control Handbook
WEAP	Worker Environmental Awareness Program

### **Legend**

Completed Items (gray)

Active or Future Items (white)

OAKLEY GENERATING STATION PROJECT - CEC COMPLIANCE MATRIX

Update: 8/4/11

Technical Area	Cond. No.	Phase		Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of CBO/CPM Approval	Status	Amendment Date	Responsibility	Notes
AQ	AQ-SC1	CONS	Designate and retain an on-site Air Quality Construction Mitigation Manager (AQCMMD) who shall be responsible for directing and documenting compliance with <b>AQ-SC3, AQ-SC4, and AQ-SC5</b> for the entire project site and linear facility construction. The on-site AQCMMD may delegate responsibilities to one or more AQCMMD delegates. The AQCMMD shall not be terminated without written consent of the compliance project manager (CPM).	Submit to the CPM for approval and for consultation with the Oakley City Engineer, the name, resume, qualifications, and contact information for the on-site AQCMMD and all AQCMMD delegates. The AQCMMD and all delegates must be approved by the CPM before the start of ground disturbance.	Resume of AQCMMD & Delegates	At least 60 days prior to ground disturbance	Ongoing		In-progress	NA	EPC	Additional submittals are required if the AQCMMD or delegate are replaced.
AQ	AQ-SC2	PC	Provide, for approval, an Air Quality Construction Mitigation Plan (AQCMP) that details the steps to be taken and the reporting requirements necessary to ensure compliance with conditions of certification <b>AQ-SC3, AQ-SC4 and AQ-SC5</b> .	Submit the AQCMP to the CPM for approval and for consultation with the Oakley City Engineer. The CPM will notify the project owner of any necessary modifications to the plan within 30 days from the date of receipt. The AQCMP must be approved by the CPM before the start of ground disturbance.	AQCMP	At least 60 days prior to ground disturbance			Complete	NA	CH2	
AQ	AQ-SC3	CONS	Submit documentation to the CPM in each monthly compliance report (MCR) that demonstrates compliance with mitigation measures (a) through (m) in the Condition for purposes of preventing all fugitive dust plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	The MCR shall include: (1) a summary of all actions taken to maintain compliance with this condition; (2) copies of any complaints filed with the air district in relation to project construction; and (3) any other documentation deemed necessary by the CPM and AQCMMD to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	MCR	Monthly	Ongoing		In-progress	NA	EPC/CCGS	
AQ	AQ-SC4a	CONS	AQCMMD or delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes with the potential to be transported off the project site, 200 feet beyond the centerline of the construction of linear facilities, or within 100 feet upwind of any regularly occupied structures not owned by the owner/operator indicate that existing mitigation measures are not providing effective mitigation. The AQCMMD or delegate shall then implement Steps 1 through 3 in the Condition in the event such visible dust plumes are observed.		see AQ-SC2	Throughout Construction	Ongoing		In-progress	NA	EPC	
AQ	AQ-SC4b	PC	Include additional monitoring measures for visible dust plumes in AQCMP required by AQ-SC2.	The AQCMP shall include a section detailing how additional mitigation measures will be accomplished within the specified time limits.	AQCMP	At least 60 days prior to ground disturbance			Complete	NA	CH2	
AQ	AQ-SC5	CONS	Submit to the CPM, in the MCR, a construction mitigation report that demonstrates compliance with mitigation measures (a) through (f) in the Condition AQ-SC5 for purposes of controlling diesel construction related emissions. Any deviation from the mitigation measures shall require prior CPM notification and approval.	Include in the MCR: (1) a summary of all actions taken to maintain compliance with this condition; (2) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that the equipment has been properly maintained; and (3) any other documentation deemed necessary by the CPM and AQCMMD to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	MCR	Monthly	Ongoing		In-progress	NA	EPC	
AQ	AQ-SC6a	CONS	Any modification to any project air permit that is proposed by the project owner, the District, or U.S. EPA shall be submitted to the CPM for review and approval.	Submit any proposed air permit modification to the CPM within five working days of either: 1) submittal by the project owner to an agency, or 2) receipt of proposed modifications from an agency.	(If Needed)	Within 5 working days of proposing permit modification	As-needed		As-needed	NA	CCGS	
AQ	AQ-SC6b	CONS	Any revised permit issued by the District or U.S. EPA for the project shall be submitted to the CPM for review and approval.	Submit all modified air permits to the CPM within 15 days of receipt.	(If Needed)	Within 15 days of receipt of permit revision	As-needed		As-needed	NA	CCGS	
AQ	AQ-SC7a	PC	The project owner shall provide emission reductions in the form of emission reduction credits (ERCs) in the quantities of at least 98.78 tons per year (tpy) NOx, and 29.60 tpy VOC. The project owner shall demonstrate that the reductions are provided in the form required by the Bay Area Air Quality Management District. The project owner shall surrender the ERCs from among Bay Area Air Quality Management District Certificate Numbers 1241, 1242, and/or 1245, or a modified list, as allowed by this condition.	The project owner shall submit to the CPM records showing that the project's offset requirements have been met prior to initiating construction.	ERC's	Prior to construction			Complete	NA	CCGS	
AQ	AQ-SC7b	PC	If additional ERCs are submitted, the project owner shall submit a modified list including the additional ERCs to the CPM. The project owner shall request CPM approval for any substitutions, modifications, or additions to the listed credits. The CPM, in consultation with the District, may approve any such change to the ERC list provided that the project remains in compliance with all applicable laws, ordinances, regulations, and standards, and that the requested change(s) will not cause the project to result in a significant environmental impact. The District must also confirm that each requested change is consistent with applicable federal and state laws and regulations.	If the CPM approves a substitution or modification to the list of ERCs, the CPM shall file a statement of the approval with the project owner and the Energy Commission docket. The CPM shall maintain an updated list of approved ERCs for the project.	See AQ-SC7a	Prior to construction			Complete	NA	CEC	

Technical Area	Cond. No.	Phase		Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of CBO/CPM Approval	Status	Amendment Date	Responsibility	Notes
AQ	AQ-SC8a	CONS	The project owner shall mitigate 63.88 tons per year (tpy) of PM10/PM2.5 and 12.55 tpy of SOx emissions. The project owner shall provide initial funding for emission reduction projects and administrative fees to the Bay Area Clean Air Foundation in the amount of \$500,000 within 90 days after the issuance of the Authority to Construct (ATC).	The project owner shall submit to the CPM confirmation that the appropriate initial funding has been provided within 90 days after the issuance of the ATC.	Initial Funding of the Bay Area Clean Air Foundation	Within 90 days after the issuance of the ATC	31-Aug-11		Not Started	NA	CCGS	ATC Issued on June 2, 2011
AQ	AQ-SC8b	CONS	The project owner shall mitigate 63.88 tons per year (tpy) of PM10/PM2.5 and 12.55 tpy of SOx emissions. The project owner shall provide additional funding to the Bay Area Clean Air Foundation on a monthly basis as necessary to fund the qualifying emission reduction projects selected for that month.	The project owner shall provide quarterly summaries of the emission reduction project selection information to the CPM for review until such time that all funds have been committed by the Bay Area Clean Air Foundation to qualifying projects.	Quarterly summaries until funds are committed	Quarterly	TBD		Not Started	NA	CCGS	
AQ	AQ-SC8c	CONS	The project owner shall make a final demonstration of the quantity and schedule of all emission reductions sponsored by the funding at least 30 days prior to first turbine fire.	Additionally, the project owner shall submit to the CPM confirmation that the appropriate funding has been provided to the Bay Area Clean Air Foundation at least 30 days prior to turbine first fire.	Confirmation that appropriate funding has been provided	At least 30 days prior to first turbine fire	TBD		Not Started	NA	CCGS	
AQ	AQ-SC9	OPS	Submit to the CPM quarterly operation reports that include operational and emissions information as necessary to demonstrate compliance with the conditions of certification. The quarterly operation report shall specifically note or highlight incidences of noncompliance.	Submit quarterly operation reports to the CPM and APCO. This information shall be maintained on site for a minimum of five years and shall be provided to the CPM and District personnel upon request.	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	Also maintain info on site for a minimum of 5 years
AQ	AQ-SC10	COMM	The facility shall be operated such that simultaneous commissioning of the two combustion turbines will not occur without abatement of nitrogen oxide and CO emissions by its SCR system and oxidation catalyst system will not occur. Operation of one combustion turbine during commissioning without abatement shall be limited to times when the second combustion turbine is either non-operational or in compliance with emission limits for routine operation.	Submit a monthly compliance report to the CPM during the commissioning period demonstrating compliance with this condition.	MCR	Monthly	Ongoing		In-progress	NA	EPC	
AQ	AQ-1	COMM	Minimize emissions of carbon monoxide and nitrogen oxides from S-1 and S-2 Gas Turbines to the maximum extent possible during the commissioning period.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	EPC	
AQ	AQ-2	COMM	At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, the owner/operator shall tune the S-1 and S-2 Gas Turbines combustors to minimize the emissions of carbon monoxide and nitrogen oxides.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	EPC	
AQ	AQ-3	COMM	At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, the owner/operator shall install, adjust, and operate the A-2 and A-4 Oxidation Catalysts and A-1 and A-3 SCR Systems to minimize the emissions of carbon monoxide and nitrogen oxides from S-1 and S-2 Gas Turbines.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	EPC	
AQ	AQ-4	CONS	Submit a plan to the District Engineering Division and the CEC CPM at least four weeks prior to first firing of S-1 and S-2 Gas Turbines describing the procedures to be followed during the commissioning of the gas turbines. The plan shall include the a description of each commissioning activity, the anticipated duration of each activity in hours, and the purpose of the activity. The activities described shall include, but not be limited to, the tuning of the Dry-Low-NOX combustors, the installation and operation of the required emission control systems, the installation, calibration, and testing of the CO and NOX continuous emission monitors, and any activities requiring the firing of the Gas Turbines (S 1 and S 2) without abatement or with partial abatement by their respective oxidation catalysts and/or SCR Systems. The Gas Turbines (S-1 or S-2) shall not be fired sooner than 28 days after the District receives the commissioning plan.	Submit a commissioning plan to the CPM and APCO for approval describing the procedures to be followed during the commissioning period and the anticipated duration of each commissioning activity.	Commissioning Plan	At least 4 weeks prior to first firing of the gas turbine	TBD		Not Started	NA	EPC	
AQ	AQ-5	COMM	During the commissioning period, demonstrate compliance with AQ-7, AQ-8, and AQ-9 through the use of properly operated and maintained continuous emission monitors and data recorders for the parameters and emission concentrations listed in this condition [AQ-5]. The monitored parameters shall be recorded, and District-approved calculation methods shall be used, as outlined in this condition. Records shall be retained on site for at least 5 years from the date of entry and such records will be made available to District personnel upon request. <b>(See FINAL Conditions for a List of All Measures)</b>	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4.	see AQ-4	At least 4 weeks prior to first firing of the gas turbine	TBD		Not Started	NA	EPC	

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AQ	AQ-6	COMM	Install, calibrate, and operate the District-approved continuous monitors specified in AQ-5 prior to first firing of the Gas Turbines (S-1 and S-2). After first firing of the turbines, adjust the detection range of these continuous emission monitors as necessary to accurately measure the resulting range of CO and NOx emission concentrations. The instruments shall operate at all times of operation of S-1 and S-2 including start-up, shutdown, upset, and malfunction, except as allowed by BAAQMD Regulation 1-522, BAAQMD Manual of Procedures, Volume V. If necessary to comply with this requirement, the project owner shall install dual-span monitors. The type, specifications, and location of these monitors shall be subject to District review and approval.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	--	Prior to first firing of the Gas Turbines	TBD		Not Started	NA	EPC	Install, calibrate, operate equipment prior to first firing. After firing, adjust detection range of CEM.
AQ	AQ-7	COMM	The Gas Turbines shall not be fired without abatement of nitrogen oxide emissions and/or abatement of CO emissions, as described in this condition. Such operation of any Gas Turbine without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR system and/or oxidation catalyst in place. Upon completion of these activities, provide written notice to the District Engineering Division and Compliance and Enforcement Division and the unused balance of the 831 firing hours for each turbine without abatement shall expire.	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	see AQ-4 / Quarterly Operation Report	Upon Completion of activities	TBD		Not Started	NA	EPC	
AQ	AQ-8	COMM	The total mass emissions of nitrogen oxides, carbon monoxide, precursor organic compounds, PM10, and sulfur dioxide that are emitted by the Gas Turbines (S-1 and S-2) during the commissioning period shall accrue towards the consecutive twelve-month emission limitations specified in AQ-43.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	EPC	
AQ	AQ-9	COMM	The Gas Turbines (S-1 and S-2) shall not be operated in a manner such that the pollutant emissions from the turbines will exceed the limits in this condition during the commissioning period. These emission limits shall include emissions resulting from the start-up and shutdown of the Gas Turbines.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	EPC	
AQ	AQ-10	OPS	Fire the Gas Turbines (S-1 and S-2) exclusively on PUC-regulated natural gas with a maximum sulfur content of 1 grain per 100 standard cubic feet. To demonstrate compliance with this limit, the operator of S-1 and S-2 shall sample and analyze the gas from each supply source at least monthly to determine the sulfur content of the gas. PG&E monthly sulfur data may be used provided that such data can be demonstrated to be representative of the gas delivered to the OGS.	The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-11	OPS	The units shall not be operated such that the heat input rate to each Gas Turbine (S-1 and S-2) exceeds 2,150 MMBtu (HHV) per hour.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-12	OPS	The units shall not be operated such that the heat input rate to each Gas Turbine (S-1 and S-2) exceeds 51,600 MMBtu (HHV) per day.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-13	OPS	The units shall not be operated such that the combined cumulative heat input rate for the Gas Turbines (S-1 and S-2) exceeds 35,397,277 MMBtu (HHV) per year.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-14	OPS	Ensure that each Gas Turbine (S-1 and S-2) is abated by the properly operated and properly maintained Selective Catalytic Reduction (SCR) System A-1 or A-3 and Oxidation Catalyst System A-2 or A-4 whenever fuel is combusted at those sources and the corresponding SCR catalyst bed (A-1 or A-3) has reached minimum operating temperature.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-15	OPS	The Gas Turbines (S-1 and S-2) shall comply with requirements (a) through (f) in this condition [AQ-15]. Requirements (a) through (f) do not apply during a gas turbine start-up, and shutdown.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-16	OPS	The regulated air pollutant mass emission rates from each of the Gas Turbines (S-1 and S-2) during a start-up or shutdown shall not exceed the limits established in this condition (shown in Table) [AQ-16].	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-17a	OPS	The owner/operator shall not perform combustor tuning on each Gas Turbine (S-1 or S-2) more than twice in any consecutive 12 month period. Each tuning event shall not exceed 8 hours. Combustor tuning shall only be performed on one gas turbine per day.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-17b	OPS	The owner/operator shall notify the District Engineering Division and Compliance and Enforcement Division no later than 24 hours prior to combustor tuning activity, except in exigent circumstances.	Owner/operator shall notify by the District and CPM at least 7 days prior to the combustor tuning.	Notification	No later than 24 hours prior to tuning activity	TBD		Not Started	NA	CCGS	

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AQ	AQ-17c	OPS	If exigent circumstances arise, the owner/operator shall notify the District Engineering Division and Compliance and Enforcement Division in writing 24 hours prior to combustor tuning activity detailing the circumstances.	Owner/operator shall notify by the District and CPM at least 24 hours prior to the combustor tuning.	Notification	No later than 24 hours prior to tuning activity	TBD		Not Started	NA	CCGS	
AQ	AQ-17d	OPS	Emissions during combustor tuning from each gas turbine shall not exceed the hourly limits established in this condition [AQ-17] and shall not exceed hourly limits established by the District based on emissions data obtained during the first tuning event for each turbine. The owner/operator shall measure and record mass emissions of NOx and CO using the continuous emissions monitors during tuning and shall measure POC emissions during the first tuning after the first turbine has been commissioned using a District-approved source test method. The owner/operator shall seek District approval of the test method in accordance with <b>AQ-29</b> below.	A summary of significant operations and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-17e	OPS	Owner/operator shall submit the record of Nox, CO and POC emissions during the first tuning event after the first turbine has been commissioned to the District within 60 days after the first tuning event.	A summary of significant operations and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).		No later than 60 days following the event.	TBD		Not Started	NA	CCGS	
AQ	AQ-17f	OPS	The District shall establish mass emissions limits for the future tuning events based on this test data and shall notify the owner/operator of these limits.			After first tuning event	TBD		Not Started	NA	District	
AQ	AQ-18	OPS	Total emissions from the Gas Turbines (S-1 and S-2), including emissions generated during gas turbine start-ups and shutdowns, shall not exceed the limits (a) through (c) of this condition [AQ-18]during any calendar day (except for days during which combustor tuning events occur, which are subject to condition AQ-19).	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-19	OPS	Total emissions from each Gas Turbine (S-1 and S-2), including emissions generated during gas turbine start-ups, shut-downs, and combustor tuning events shall not exceed the limits (a) through (c ) of this condition [AQ-19] during any calendar day on which a tuning event occurs.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-20	OPS	The maximum projected annual toxic air contaminant emissions (per AQ-23) from the Gas Turbines (S-1 and S-4) combined shall not exceed the limits in this condition [AQ-20]. A health risk assessment shall be performed using the emission rates determined by the procedures described in this condition. The risk analysis shall be submitted to the District and the CEC CPM within 60 days of the source test date. The owner/operator may request that the District and the CEC CPM revise the carcinogenic compound emission limits, as described in this condition. If the owner/operator demonstrates to the satisfaction of the APCO that these revised emission limits will not result in a significant cancer risk, the District and the CEC CPM may, at their discretion, adjust the carcinogenic compound emission limits listed in this condition.	Source test results obtained through compliance with AQ-23 and AQ-27 shall confirm the toxic air contaminant emission rates or the project owner shall submit an updated health risk assessment.	Health Risk Assessment (if needed)	Within 60 days of the source testing date	TBD		Not Started	NA	CCGS	
AQ	AQ-21	OPS	Compliance with AQ-11 through AQ-13, AQ-15(a) through AQ-15(d), AQ-16 (NOX, and CO limits), AQ-17 (NOx, and CO limits), AQ-18(a), AQ-18(b), AQ-19(a), 19(b), AQ-43(a) and AQ-43(b) shall be demonstrated by using properly operated and maintained continuous monitors (during all hours of operation including gas turbine startup, and shutdown periods). The project owner shall monitor for parameters (a) through (k) of this condition [AQ-21].	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the continuous monitoring and recordkeeping system is properly installed and operational.	--	Throughout Operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-22	OPS	To demonstrate compliance with AQ-15(f), AQ-18(c), AQ-19(c), and AQ-43(c), calculate and record on a daily basis, the mass emissions from each power train as listed in this condition [AQ-22]. Use the criteria listed in this condition to calculate these emissions, and present the calculated emissions in format (a) and (b) of this condition.	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational.	--	Throughout Operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-23	OPS	To demonstrate compliance with AQ-20, calculate and record on an annual basis the maximum projected annual emissions of: Formaldehyde, Benzene, and Specified PAHs. Calculate the maximum projected annual emissions using the factors described in this condition [AQ-23]. Use of a reduced annual heat input rate to calculate the maximum projected annual emissions shall be subject to District review and approval.	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational.	--	Throughout Operation	Ongoing		Not Started	NA	CCGS	



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AQ	AQ-24a	COMM	Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1210) of each of the OGS 7FA units or as otherwise approved by the APCO, conduct a District-approved source test on exhaust point P-1 and P-2 to determine the corrected ammonia (NH3) emission concentration to determine compliance with AQ-15(e). (See Condition AQ-25 for purpose and method of test.) Ongoing compliance with AQ-15(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Source Test Results & Field Data	Source test within 90 operating days of startup. Submit results within 60 days of the source testing	TBD		Not Started	NA	EPC	
AQ	AQ-24b	OPS	On an annual basis, conduct a District-approved source test on exhaust point P-1 and P-2 to determine the corrected ammonia (NH3) emission concentration to determine compliance with AQ-15(e). (See Condition AQ-24 for purpose and method of test.) Ongoing compliance with AQ-15(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Source Test Results & Field Data	Source test annually. Annual Testing/Results submitted within 60 days of the source testing	Ongoing		Not Started	NA	CCGS	
AQ	AQ-25a	COMM	Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1210) of each of the OGS GE 7FA units or as otherwise approved by the APCO, conduct a District-approved source test on exhaust points P-1 and P-2 while each Gas Turbine is operating at maximum load to determine compliance with AQ-15(a), AQ-15(b), AQ-15(c), AQ-15(d), AQ-15(f), and to establish the emissions factors to be used to demonstrate compliance with AQ-43(d) and AQ-43(e); and while each Gas Turbine is operating at minimum load to determine compliance with AQ-15(c) and AQ-15(d); and to verify the accuracy of the continuous emissions monitors required in AQ-21. Test for (as a minimum) the elements listed in this condition [AQ-25]. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. The project owner may conduct up to four tests per year for total particulate matter including condensable particulate matter.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a pre-approved protocol (AQ-29). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Source Test Results & Field Data	Source test within 90 operating days of first fire. Submit results within 60 days of the source testing	TBD		Not Started	NA	EPC	
AQ	AQ-25b	OPS	On an annual basis, conduct a District-approved source test on exhaust points P-1 and P-2 while each Gas Turbine is operating at maximum load to determine compliance with AQ-15(a), AQ-15(b), AQ-15(c), AQ-15(d), AQ-15(f), and to establish the emissions factors to be used to demonstrate compliance with AQ-42(d) and AQ-42(e); and while each Gas Turbine is operating at minimum load to determine compliance with AQ-15(c) and AQ-15(d); and to verify the accuracy of the continuous emissions monitors required in AQ-21. Test for (as a minimum) the elements listed in this condition [AQ-25]. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. The project owner may conduct up to four tests per year for total particulate matter including condensable particulate matter.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a pre-approved protocol (AQ-29). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Source Test Results & Field Data	Source test annually. Annual Testing/Results submitted within 60 days of the source testing	Ongoing		Not Started	NA	CCGS	
AQ	AQ-26a	OPS	Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1210) of each OGS GE 7FA units or as otherwise approved by the APCO, conduct District- and CEC-approved source tests for that Gas Turbine to determine compliance with the emission limitations specified in AQ-16. The source tests shall determine NOx, CO, and POC emissions during start-up and shutdown of the gas turbines. The POC emissions shall be analyzed for methane and ethane to account for the presence of unburned natural gas. The source test shall include a minimum of three start-up and three shutdown periods.	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4.	Conduct source test and protocol	Within 90 days of the beginning of the start-up period of each OGS GE 7FA units or as otherwise approved by the APCO	TBD		Not Started	NA	CCGS	
AQ	AQ-26b	OPS	Thirty working days before the execution of the source tests, the owner/operator shall submit to the District and the CEC Compliance Program Manager (CPM) a detailed source test plan designed satisfy the requirements of this Part. The District and the CEC CPM will notify the owner/operator of any necessary modifications to the plan within 20 working days of receipt of the plan; otherwise, the plan shall be deemed approved. The owner/operator shall incorporate the District and CEC CPM comments into the test plan. The owner/operator shall notify the District and the CEC CPM within seven (7) working days prior to the planned source testing date. Submit the source test results to the District and the CEC CPM within 60 days of the source testing date.	Submit the source test results to the District and the CEC CPM within 60 days of the source testing dates.	Source Test Results	Submit plan 30 days before source testing, provide results within 60 days of the source testing	TBD		Not Started	NA	CCGS	

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AQ	AQ-27a	COMM	Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1210) of the second of the OGS GE 7FA gas turbines or as otherwise approved by the APCO, conduct a District-approved source test on either exhaust point P-1 or P-2 while the Gas Turbine is operating at maximum allowable operating rates to demonstrate compliance with AQ-20. Also test the gas turbine while it is operating at minimum load. If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to AQ-23 for any of the compounds listed in this condition [AQ-27] are less than 50% of the levels listed in AG-20 then the project owner may discontinue future testing for that pollutant.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29). Testing for toxic air contaminant emissions shall be conducted upon initial operation.	Source Test Results & Field Data	Source test within 90 operating days of first fire. Submit results within 60 days of the source testing	TBD		Not Started	NA	EPC	
AQ	AQ-27b	OPS	On a biennial basis (once every two years), conduct a District-approved source test on one of the following exhaust points P-1 or P-2 while the Gas Turbine is operating at maximum allowable operating rates to demonstrate compliance with AQ-20. Also test the gas turbine while it is operating at minimum load. If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to AQ-23 for any of the compounds listed in this condition [AQ-27] are less than 50% of the levels listed in AQ-20 then the project owner may discontinue future testing for that pollutant.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29). Testing for toxic air contaminant emissions shall be conducted at least once every 24 months.	Source Test Results & Field Data	Source test every 2 years or until rates fall below level specified in condition. Biennial Testing/Results submitted within 60 days of the source testing	Ongoing		Not Started	NA	CCGS	
AQ	AQ-28a	COMM	Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1210) of each of the OGS GE 7FA gas turbines or as otherwise approved by the APCO, conduct a District-approved source test on one of the two exhaust points P-1 and P-2 while the gas turbine is operating at maximum heat input rates to demonstrate compliance with the total sulfuric acid mist emission rate specified in this condition [AG-28]. Test for (as a minimum) SO2, SO3, and H2SO4, and the sulfur content of the fuel. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29). Testing for steady-state emissions shall be conducted upon initial operation.	Source Test Results & Field Data	Source test within 90 days of startup. Submit results within 60 days of the source testing	TBD		Not Started	NA	EPC	
AQ	AQ-28b	OPS	On an annual basis, conduct a District-approved source test on one of the two exhaust points P-1 and P-2 while the gas turbine is operating at maximum heat input rates to demonstrate compliance with the sulfuric acid mist emission rate specified in this condition [AG-28]. Test for (as a minimum) SO2, SO3, and H2SO4, and the sulfur content of the fuel. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted at least once every 12 months.	Source Test Results & Field Data	Source test annually. Annual Testing/Results submitted within 60 days of the source testing	Ongoing		Not Started	NA	CCGS	
AQ	AQ-29a	OPS	Obtain approval for all source test procedures from the District's Source Test Section and the CEC CPM prior to conducting any tests, comply with all applicable testing requirements for continuous emission monitors as specified in Volume V of the District's Manual of Procedures. Notify the District's Source Test Section and the CEC CPM in writing of the source test protocols and projected test dates at least 7 days prior to the testing date(s). Measure the contribution of condensable PM (back half) to any measurement of the total particulate matter or PM10 emissions. However, the owner/operator may propose alternative measuring techniques to measure condensable PM such as the use of a dilution tunnel or other appropriate method used to capture semi-volatile organic compounds.	Submit the proposed source test plan or protocol for the source tests seven days prior to the proposed source test date to both the District and CPM for approval. Notify the District and CPM no later than seven days prior to the proposed source test date and time.	Approval for and Conduct Source Tests	Notify at least 7 days prior to testing	TBD		Not Started	NA	CCGS	
AQ	AQ-29b	OPS	Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.			Submit results within 60 days of conducting tests	TBD		Not Started	NA	CCGS	
AQ	AQ-30	CONS	The stack height of emission points P-1 and P-2 shall each be at least 155.5 feet above grade level at the stack base.	Make the site available for inspection by representatives of the District, ARB and the Commission.	--	Design and Throughout Operation	Incorporate into design		In-progress	NA	GE	BAAQMD Modeling was also based on a specific elevation. Need to make sure stack height and elevation grade match BAAQMD dispersion modeling. (See Jim McLucas for questions)
AQ	AQ-31	CONS	Submit manufacturer's specifications and emissions guarantees for Nox and CO for the Auxiliary Boiler (S-3) to the District Engineering Division and the CEC CPM at least four weeks prior to first firing of Auxiliary Boiler (S-3).	At least 30 days prior to the installation of the Auxiliary Boiler provide District and CPM specifications for boiler	Boiler Specifications	At least 30 days prior to installation of the Auxiliary Boiler	TBD		Not Started	NA	EPC	
AQ	AQ-32	COMM	If Oxidation Catalyst (A 5) is required, the owner/operator shall install, adjust, and operate the A 5 Oxidation Catalyst at the earliest feasible opportunity, in accordance with the recommendations of the equipment manufacturers and the construction contractor, to minimize the emissions of carbon monoxide from S 3 Auxiliary Boiler.	The project owner shall make the site available for inspection of equipment and records by representatives of the District, ARB, and the Energy Commission.		Earliest feasible opportunity	TBD		In-progress	NA	EPC	
AQ	AQ-33	OPS	The heat input rate to the Auxiliary Boiler (S 3) shall not exceed 50.6 MMBtu per hour, averaged over any rolling 3 hour period.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	

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AQ	AQ-34	OPS	The heat input rate to the Auxiliary Boiler (S 3) shall not exceed 218,606 MMBtu per year.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-35	OPS	Nox, CO, and POC emissions shall not exceed the thresholds listed in (a) through (c) of this condition [AQ-35].	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-36	OPS	Demonstrate compliance with AQ-35(a), AQ-35(b) and AQ-43(a) and AQ-43(b) by using properly operated and maintained continuous monitors (during all hours of operation including auxiliary boiler start-up, tuning and shut down periods). Monitor for parameters (a) through (j) of this condition [AQ-36] at least every 15 minutes (excluding normal calibration periods).	Make the site available for inspection by representatives of the District, ARB and the Commission.		Throughout Operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-37	OPS	To demonstrate compliance with AQ-35(c) the owner/operator shall calculate and record on a daily basis, the precursor organic compound (POC) mass emissions from the auxiliary boiler using the actual heat input rates measured pursuant to AQ-36, and CEC and District-approved emission factors developed pursuant to source testing under AQ-38 to calculate these emissions. Calculated emissions shall be presented as shown in sections (a) and (b) of this condition [AQ-37].	Make the site available for inspection by representatives of the District, ARB and the Commission.		Throughout Operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-38a	OPS	Within 90 days of start-up of Auxiliary Boiler (S-3), conduct a District-approved source test on exhaust point P-3 while the auxiliary boiler is operating at maximum load to determine emission factors for POC, PM10, and Sox. Testing will be done for (at a minimum): water content, stack gas flow rate, oxygen concentration, precursor organic compound concentration and mass emissions, nitrogen oxide concentration and mass emissions (as NO2), carbon monoxide concentrations and mass emissions, sulfur dioxide concentration and mass emissions, methane, ethane, and PM10 emissions including condensable particulate matter.	Submit for approval, the source test plan to the District and CPM, thirty (30) working days before the execution of the compliance test required in this condition.	Source Test	Source test within 90 operating days of first fire of each auxiliary boiler.	TBD		Not Started	NA	CCGS	
AQ	AQ-38b	OPS	Thirty working days before the execution of the source tests, submit to the District and the CEC Compliance Program Manager (CPM) a detailed source test plan for approval. The District and the CEC CPM will notify the project owner of any necessary modifications to the plan within 20 working days of receipt of the plan.	Submit for approval, the source test plan to the District and CPM, thirty (30) working days before the execution of the compliance test required in this condition.	Source Test Plan	At least 30 days prior to source testing.	TBD		Not Started	NA	CCGS	
AQ	AQ-38c	OPS	Owner/operator shall notify the District and the CEC CPM within 7 working days prior to the planned source testing date.		Notification to District and CPM	Within 7 working days prior to conducting source test.	TBD		Not Started	NA	CCGS	
AQ	AQ-38c	OPS	Submit the source test results to the District and the CEC CPM within 60 days of the source testing date.	Test results shall be submitted to the District and to the CPM within sixty (60) days of the source testing date.	Test results	Within 60 days of source testing	TBD		Not Started	NA	CCGS	
AQ	AQ-39	OPS	Fire the Fire Pump Diesel Engine (S-4) exclusively on diesel fuel having a sulfur content no greater than 0.0015% by weight.	Make the site available for inspection by representatives of the District, ARB, and the Commission.		Throughout operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-40	OPS	Operate the Fire Pump Diesel Engine (S-4) for no more than 49 hours per year for the purpose of reliability testing and non-emergency operation.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-41	OPS	The owner/operator shall operate the Fire Pump Diesel Engine (S 4) only when a non-resettable totalizing hour meter (with a minimum display capability of 9,999 hours) is installed, operated and properly maintained.	Make the site available for inspection by representatives of the District, ARB and the Commission. Include a photograph of each totalizing meter in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter and throughout Operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-42	OPS	Maintain the monthly records for Fire Pump Engine (S-4) as outlined in sections (a) through (e) of this condition [AQ-42] in a District approved log for at least 5 years. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.	Make the site available for inspection by representatives of the District, ARB and the Commission.		Throughout Operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-43	OPS	The owner/operator shall not allow total combined emissions from the Gas Turbines (S 1 and S 2), including emissions generated during gas turbine start-ups, combustor tuning, shutdowns, and malfunctions, the auxiliary boiler (S 3), including emissions generated during auxiliary boiler start-ups, tune-ups, shutdowns, and malfunctions, and the fire pump diesel engine (S-4), including non-emergency and emergency operation, to exceed the limits in sections (a) through (e) of this condition [AQ-43] during any consecutive twelve-month period. Compliance with the limits shall be determined using the procedures outlined in this condition [AQ-43].	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	

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AQ	AQ-44	OPS	To demonstrate compliance with AQ-43, the owner/operator shall record the total emissions for each consecutive 12 month period. The owner/operator shall calculate emissions of each pollutant listed in AQ-43(a) through (e) from the gas turbines, auxiliary boiler, and fire pump diesel engine for each calendar month using the calculation procedures established in AQ-43, and shall calculate annual emissions to determine compliance with the limits listed in AQ-43(a) through (e) by summing the monthly totals for the previous 12 months.	The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational.		Throughout Operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-45	OPS	Submit all reports to the District (including, but not limited to monthly CEM reports, monitor breakdown reports, emission excess reports, equipment breakdown reports, etc.) as required by District Rules or Regulations and in accordance with all procedures and time limits specified in the Rule, Regulation, Manual of Procedures, or Compliance and Enforcement Division Policies & Procedures Manual.	Notifications and reports, including the quarterly operation report (AQ-SC9), shall be prepared and submitted in compliance with this condition.	District Reporting	Including, but not limited to monthly and no later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-46	OPS	Maintain all records and reports on site for a minimum of 5 years. These records shall include but are not limited to the reports listed in this condition [AQ-46]. Make all records and reports available to District and the CEC CPM staff upon request.	Make the site available for inspection by representatives of the District, ARB and the Commission.	--	Throughout Operation	Ongoing		Not Started	NA	CCGS	
AQ	AQ-47	OPS	Notify the District and the CEC CPM of any violations of these permit conditions. Notification shall be submitted in a timely manner in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, submit written notification (facsimile is acceptable) to the Enforcement Division within 96 hours of the violation of any permit condition.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC9).	(If Needed)	Within 96 hours of violation of permit condition & No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
AQ	AQ-48	CONS	Provide adequate stack sampling ports and platforms to enable the performance of source testing. The location and configuration of the stack sampling ports shall comply with the procedures listed in this condition [AQ-48], and shall be subject to BAAQMD review and approval, except that the facility shall provide four sampling ports that are at least 6 inches in diameter in the same plane of each gas turbine stack (P 1, P 2).	The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission.	--	Design and Throughout Operation	Incorporate into design		In-progress	NA	GE	Need to reflect BAAQMD standards in their Rule
AQ	AQ-49	CONS	Within 180 days of the issuance of the Authority to Construct for the OGS, contact the BAAQMD Technical Services Division regarding requirements for the continuous emission monitors, sampling ports, platforms, and source tests required by AQ-24 through AQ-28, and AQ-38. Conduct all source testing and monitoring in accordance with the District approved procedures.	Contact the District for specifications on monitors, ports, platforms and source tests and submit verification of this contact to the District and CPM with the initial source test protocol (AQ-29).	see AQ-27a	Within 180 days of the ATC and at least 7 days prior to the source testing date(s)	28-Jun-00		Complete	NA	GE	BAAQMD staff (K. Truesdell and W. Hammel) contacted on 8/1/11 to request CEMS design specs and requirements.
AQ	AQ-50	OPS	Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM and District the results of audits of the monitoring system demonstrating compliance with this condition as part of the quarterly operation report (AQ-SC9).	Quarterly Operation Report	No later than 30 days following the end of each calendar quarter	Ongoing		Not Started	NA	CCGS	
BIO	BIO-1a	PC	DESIGNATED BIOLOGIST SELECTION: A Designated Biologist shall be assigned to the project, and the resume of the proposed Designated Biologist, with at least 3 references and contact information, shall be submitted to the Energy Commission Compliance Project Manager (CPM) for approval. The Designated Biologist must meet the minimum qualifications (1) through (3) in this condition [BIO-1].	The specified information shall be submitted at least 60 days prior to the start of any site (or related facilities) mobilization. No site or related facility activities shall commence until an approved Designated Biologist is available to be on site.	DB Resume	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	Rick Crowe (CH2MHILL) will be Designated Biologist
BIO	BIO-1b	CONS	DESIGNATED BIOLOGIST SELECTION	If a Designated Biologist needs to be replaced, the specified information of the proposed replacement must be submitted to the CPM at least ten (10) working days prior to the termination or release of the preceding Designated Biologist. In an emergency, the project owner shall immediately notify the CPM to discuss the qualifications and approval of a short-term replacement while a permanent Designated Biologist is proposed to the CPM for consideration.	(If Needed)	At least 10 working days prior to the termination or release of the preceding Designated Biologist	Ongoing		As-Needed	NA	CH2	
BIO	BIO-2a	CONS	DESIGNATED BIOLOGIST DUTIES: The Designated Biologist shall perform the duties (1) through (9) during any site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure activities. The Designated Biologist may be assisted by the approved Biological Monitor(s), but remains the contact for the project owner and CPM.	The Designated Biologist shall submit in the Monthly Construction Compliance Report to the CPM copies of all written reports and summaries that document biological resources activities. Monthly Compliance Reports shall also be submitted to the East Contra Costa County Habitat Conservancy.	MCR	Monthly	Ongoing		In-progress	NA	CH2/CCGS	
BIO	BIO-2b	OPS	DESIGNATED BIOLOGIST DUTIES: 1. Advise the project owner's Construction and Operation Managers on the implementation of the biological resources Conditions of Certification	If actions may affect biological resources during operation, a Designated Biologist shall be available for monitoring and reporting. During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless their duties are determined to be unnecessary by the CPM.	ACR	As needed and Annually Throughout Operation	Ongoing		Not Started	NA	CCGS	

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BIO	BIO-3a	PC	BIOLOGICAL MONITOR QUALIFICATIONS: The project owner's CPM-approved Designated Biologist shall submit the resumes, including at least 3 references and contact information, of the proposed Biological Monitors to the CPM for approval. Biological Monitors training by the Designated Biologist shall include familiarity with the Conditions of Certification and the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP), WEAP, and all state, federal, and local permits.	Submit the specified information to the CPM for approval no less than 30 days prior to the start of any site (or related facilities) mobilization. The Designated Biologist shall submit a written statement to the CPM confirming that the individual Biological Monitor(s) have been trained including the date when training was completed.	BM's Quals	At least 30 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-3b	CONS	ADDITIONAL BIOLOGICAL MONITORS	If additional biological monitors are needed during construction, the specified information shall be submitted to the CPM for approval no less than 10 days prior to their first day of monitoring activities.	(If Needed)	No less than 10 days prior to BM's first day of monitoring	Ongoing		As-Needed	NA	CH2	
BIO	BIO-4	OPS	DESIGNATED BIOLOGIST AND BIOLOGICAL MONITOR AUTHORITY: The project owner's Construction/Operation Manager shall act on the advice of the Designated Biologist and Biological Monitor(s) to ensure conformance with the biological resources Conditions of Certification. If required by the Designated Biologist and Biological Monitor(s) all operaton activities shall be halted in areas specified by the Designated Biologist. The Designated Biologist shall halt activities in accordance with steps (1) through (3) of this condition [BIO-4]. If the Designated Biologist is unavailable for direct consultation, the Biological Monitor shall act on behalf of the Designated Biologist.	The Designated Biologist or Biological Monitor shall notify the CPM immediately (and no later than the following morning of the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any activities. The project owner shall notify the CPM of the circumstances and actions being taken to resolve the problem. Whenever corrective action is taken by the project owner, a determination of success or failure will be made by the CPM within 5 working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CPM that coordination with other agencies will require additional time before a determination can be made.	(If Needed)	Immediately	Ongoing		As-Needed	NA	CCGS	
BIO	BIO-4	CONS	DESIGNATED BIOLOGIST AND BIOLOGICAL MONITOR AUTHORITY: The project owner's Construction/Operation Manager shall act on the advice of the Designated Biologist and Biological Monitor(s) to ensure conformance with the biological resources Conditions of Certification. If required by the Designated Biologist and Biological Monitor(s) all site mobilization, ground disturbance, grading and construction activities shall be halted in areas specified by the Designated Biologist. The Designated Biologist shall halt activities in accordance with steps (1) through (3) of this condition [BIO-4]. If the Designated Biologist is unavailable for direct consultation, the Biological Monitor shall act on behalf of the Designated Biologist.	The Designated Biologist or Biological Monitor shall notify the CPM immediately (and no later than the following morning of the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any activities. The project owner shall notify the CPM of the circumstances and actions being taken to resolve the problem. Whenever corrective action is taken by the project owner, a determination of success or failure will be made by the CPM within 5 working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CPM that coordination with other agencies will require additional time before a determination can be made.	(If Needed)	Immediately	Ongoing		As-Needed	NA	CH2	
BIO	BIO-5a	PC	WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP): Develop and implement a CPM-approved WEAP as described in this condition [BIO-5]. The specific program can be administered by a competent individual(s) acceptable to the Designated Biologist.	No less than 60 days prior to the start of any site (or related facilities) mobilization, the project owner shall provide to the CPM the proposed WEAP and all supporting written materials and electronic media prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program.	Draft WEAP	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO5b	PC	WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP): Develop and implement a CPM-approved WEAP as described in this condition [BIO-5].	At least 10 days prior to site and related facilities mobilization, the project owner shall submit two copies of the CPM-approved materials.	Final WEAP	At least 10 days prior to start of site mobilization			Complete	NA	CH2	
BIO	BIO-5c	CONS	Implement a CPM-approved WEAP in which each employee, as well as employees of contractors and subcontractors who work on the project site or related facilities during site mobilization, ground disturbance, grading, construction, operation, and closure are informed about sensitive biological issues associated with the project site.	The project owner shall provide in the Monthly Compliance Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date.	MCR	Monthly	Ongoing		In-progress	NA	CCGS	
BIO	BIO-5d	OPS	Implement a CPM-approved WEAP in which each employee, as well as employees of contractors and subcontractors who work on the project site or related facilities during site mobilization, ground disturbance, grading, construction, operation, and closure are informed about sensitive biological issues associated with the project site.	Training acknowledgement forms signed during construction shall be kept on file by the project owner for a period of at least 6 months after the start of commercial operation. During project operation, signed statements for operational personnel shall be kept on file for 6 months following the termination of an individual's employment.	--	At least 6 months after the start of commercial operation	Ongoing		Not Started	NA	CCGS	
BIO	BIO-6a	PC	BIOLOGICAL RESOURCES MITIGATION IMPLEMENTATION AND MONITORING PLAN (BRMIMP): Develop a BRMIMP and submit two copies of the proposed BRMIMP to the CDFG, USFWS, and East Contra Costa County Habitat Conservancy for review and comment and the CPM for approval and implement the measures identified in the approved BRMIMP. The BRMIMP shall be prepared in consultation with the Designated Biologist and shall identify items (1) through (16) of this condition [BIO-6].	Provide the draft BRMIMP to the CPM at least 60 days prior to start of any site (or related facilities) mobilization. The CPM, in consultation with other appropriate agencies.	Draft BRMIMP	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-6b	PC	BRMIMP - Additional permits	If there are any permits that have not yet been received when the BRMIMP is first submitted, these permits shall be submitted to the CPM within 5 days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition within 10 days of their receipt by the project owner. Ten days prior to site and related facilities mobilization the revised BRMIMP shall be resubmitted to the CPM.	Revised BRMIMP	At least 10 days prior to the start of site mobilization			Complete	NA	CH2	

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BIO	BIO-6c	CONS	BRMIMP - Modifications	The project owner shall notify the CPM no less than 5 working days before implementing any modifications to the approved BRMIMP to obtain CPM approval. Any changes to the approved BRMIMP must also be approved by the CPM in consultation with other appropriate agencies to ensure no conflicts exist.	(If Needed)	At least 5 working days before implementing modification to approved BRMIMP	Ongoing		As-Needed	NA	CH2	
BIO	BIO-6d	CONS	BRMIMP - Monthly Compliance Reports	Implementation of BRMIMP measures will be reported in the Monthly Compliance Reports by the Designated Biologist (i.e., survey results, construction activities that were monitored, species observed).	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-6e	CONS	BRMIMP - Construction Completion Reports	Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written construction closure report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's site mobilization, ground disturbance, grading, and construction phases, and which mitigation and monitoring items are still outstanding. Additional copies shall be provided to East Contra Costa Habitat Conservancy, CDFG and USFWS.	Construction Closure Report	Within 30 days after completion of project construction	TBD		Not Started	NA	CH2	
BIO	BIO-7a	PC	GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Measures (1) through (10) of this condition [BIO-7] shall be implemented to avoid and minimize impacts to biological resources from the proposed project during all phases of the project.	All mitigation measures and their implementation methods shall be included in the BRMIMP.	Revised BRMIMP	At least 10 days prior to start of site mobilization			Complete	NA	CH2	
BIO	BIO-7b	CONS	GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Implementation of the measures will be reported in the Monthly Compliance Reports by the Designated Biologist. Photographic verification of installation of bird flight diverters will be provided upon installation and will be provided in the Monthly Compliance Report.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-7c	CONS	GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written construction termination report identifying how measures have been completed. Additional copies shall be provided to the East Contra Costa County Habitat Conservancy, CDFG, and USFWS.	Construction Completion (Termination) Report	Within 30 days after completion of project construction	TBD		Not Started	NA	CH2	
BIO	BIO-7d	OPS	GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES		----	----	Ongoing		In-progress	NA	CCGS	Item included to note that General Impact Avoidance and Minimization Measures continue through the life of the project.
BIO	BIO-8a	PC	To comply with various protected tree ordinances, the project owner shall mitigate for loss of protected trees based on the results of the project owner's arborist report. Mitigation will be assessed by the CPM in coordination with City of Oakley based on review of the arborist report.	At least 30 days prior to the start of any tree removal, provide to the CPM for review and approval, and to the City of Oakley and City of Antioch for review and comment, the arborist report which identifies all trees to be removed within the City of Oakley and City of Antioch and all protected trees to remain in place at which grading will occur within the drip line within the City of Antioch.	Arborist Report	At least 30 days prior to the start of any tree removal			Complete	NA	CH2	
BIO	BIO-8b	CONS		A copy of the receipt of payment and/or verification of tree replacement to the City of Oakley verifying that the protected tree mitigation fees have been paid, according to the conditions specified in this condition [BIO-8], shall be provided to the CPM prior to tree removal.	Copy of receipt of payment / Tree permit	Prior to tree removal	TBD		In-progress	NA	CCGS	
BIO	BIO-8c	CONS		A copy of the verification of 2:1 protected tree replacement or the receipt of payment of penalty fees to the City of Antioch, according to the conditions specified above, shall be provided to the CPM prior to tree removal. Prior to tree removal a copy of the receipt of payment of bond will be submitted by the project owner upon posting a bond to the City of Antioch for any protected trees that would have construction or grading within the dripline or written verification that no protected trees are located where construction or grading activities would occur.	Verification Letter/Copy of receipt of payment/Tree permit	Prior to tree removal	TBD		In-progress	NA	CCGS	
BIO	BIO-9a	PC	PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction nest surveys shall be conducted if construction activities including tree removal will occur from February 1 through September 15. The Designated Biologist or Biological Monitor shall perform surveys in accordance with the guidelines of this condition [BIO-9].	Prior to the start of any pre-construction site mobilization, provide the CPM and the East Contra Costa County Habitat Conservancy a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no disturbance buffer zone around the nest.	Letter Report	At least 10 days prior to the start of ground disturbing activities			Complete	NA	CH2	Pre-Construction Nest Survey Report prior to tree removal submitted to CEC on 8/1/11. CEC approved 8/2/11.
BIO	BIO-9b	PC	PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES	If active nests are detected during the survey, a monitoring plan shall be submitted to the Conservancy, CDFG and USFWS for review and comment and the CPM for approval. Approval of the plan is required before construction may commence. All impact avoidance and minimization measures related to nesting birds shall be included in the BRMIMP and implemented.	Monitoring Plan	Prior to construction			Complete	NA	CH2	
BIO	BIO-9c	CONS	PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Implementation of the measures shall be reported in the Monthly Compliance Reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	

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BIO	BIO-9d	CONS	At all times of the year, noise generating activities (above 60 dBA) shall be avoided during dawn and dusk to avoid impacts to birds protected under the Migratory Bird Treaty Act.			Year Round	Ongoing		In-progress	NA	CCGS	
BIO	BIO-10a	PC		All mitigation measures and their implementation methods shall be included in the BRMIMP.	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-10b	CONS	IMPACT AVOIDANCE AND MINIMIZATION MEASURES FOR BATS: Implement the measures described in this condition [BIO-10] to avoid or minimize impacts on bats.	Implementation of the measures will be reported in the Monthly Compliance Reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-10c	PC		The resume of the proposed bat biologist will be submitted to the CPM for approval at least 45 days prior to the start of any bat surveys.	Resume of Bat Biologist	At least 45 days prior to start of bat surveys			Complete	NA	CH2	
BIO	BIO-10d	PC		A written report summarizing the results of the pre-construction survey shall be sent to the CPM and CDFG no less than 15 days prior to the start of pre-construction site mobilization which will include documentation of any active roost trees to be removed. The report shall describe survey methods, including the time, date, and duration of the survey, identity and qualifications of the surveyor(s), and a list of species observed, a figure showing roost locations observed, and proposed mitigation and exclusion measures.	Survey Report	At least 15 days prior to start of ground disturbance			Complete	NA	CH2	
BIO	BIO-10e	CONS	Removal of active roost trees.	If active roost trees are to be removed, reporting and surveying must be completed as outlined in this condition verification [BIO-10]. Within 10 days of removal of trees with roost sites, the project owner shall submit a report describing the results of the exclusion, mitigation measures, and tree removal.	Bat Exclusion, Mitigation Measures and Tree Removal Report	Within 10 days of removal of roost trees	TBD		Complete	NA	CH2	Pre-Construction Bat Survey Report prior to tree removal submitted to CEC on 8/1/11. CEC approved 8/2/11.
BIO	BIO-11a	PC		All mitigation measures and their implementation methods shall be included in the BRMIMP and implemented.	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-11b	CONS	SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES: If pre-construction surveys locate Swainson's hawk nests in trees which are to be removed, implement the measures to minimize impacts to known Swainson's hawk nests. Tree removal will not occur while the Swainson's hawk nests are active.	If trees with known nests are to be removed while nests are not active, a written report summarizing the results of the pre-construction survey shall be sent to the CPM, the East Contra Costa County Habitat Conservancy (Conservancy), CDFG, and USFWS no less than 15 days prior to the start of ground disturbance which will include documentation of any known nest trees to be removed.	(If Needed)	No less than 15 days prior to the start of ground disturbance	TBD		As-Needed	NA	CH2	Preconstruction survey was completed but additional surveys may be needed prior to tree removal.
BIO	BIO-11c	CONS	SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Implementation of the measures will be reported in the Monthly Compliance Reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-11d	CONS	SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES	Within 30 days after completion of project construction, provide to the CPM, for review and approval, a written construction termination report identifying how measures have been completed. Additional copies shall be provided to the Conservancy, CDFG, and USFWS. The report will include written verification that any compensation fees for of loss of nest trees have been paid to the Conservancy.	Construction Completion (Termination) Report	Within 30 days after completion of construction	TBD		Not Started	NA	CH2	
BIO	BIO-11e	OPS	Nest trees, including non-native trees, lost to project activities will be mitigated by the project owner according to the requirements of the ECCC HCP/NCCP. Either pay the Conservancy an additional fee to purchase, plant, maintain, and monitor 15 saplings on the HCP/NCCP Preserve System for every tree lost according to the requirements listed below, OR the project owner will plant, maintain, and monitor 15 saplings for every tree lost at a site to be approved by the Conservancy (e.g., within an HCP/NCCP Preserve or existing open space linked to HCP/NCCP preserves).	Annual Reports will be submitted to the CPM and the Conservancy that document compliance with the ECCC HCP/NCCP requirements for planting and the success of any plantings. Additional copies shall be provided to CDFG and USFWS.	Annual Monitoring Report (if needed)	Annually	Ongoing		Not Started	NA	CCGS	
BIO	BIO-12a	PC	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Implement the measures in this condition [BIO-12] to manage the construction site, and related facilities, in a manner to avoid or minimize impacts to breeding and foraging burrowing owls. Measures include pre-construction surveys, avoidance and minimization measures.	All avoidance and minimization measures related to burrowing owl shall be included in the BRMIMP and implemented.	BRMIMP (see BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-12b	CONS	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Implement the measures in this condition [BIO-12] to manage the construction site, and related facilities, in a manner to avoid or minimize impacts to breeding and foraging burrowing owls. Measures include pre-construction surveys, avoidance and minimization measures.	Perform Pre-Construction Survey and mapping.	Survey	Within 30 days prior to construction	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.

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BIO	BIO-12c	CONS	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Preconstruction survey report	Submit a report to the CPM, the East Contra Costa County Habitat Conservancy (Conservancy), CDFG, and USFWS at least 10 days prior to pre-construction site mobilization that describes when surveys were completed, observations, and mitigation measures to be implemented.	Survey Report	At least 10 days prior to ground disturbing activities	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-12d	CONS	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Monthly Compliance Reports	Implementation of the measures shall be reported in the monthly compliance reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-12e	CONS	BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Owl Relocation Report	Within 30 days after completion of owl passive relocation and monitoring, and the start of construction-related ground disturbance, the project owner shall provide written verification to the CPM, the Conservancy, USFWS, and CDFG that burrowing owl mitigation measures have been completed.	(If Needed)	Within 30 days after completion of owl relocation & monitoring	Ongoing		As-Needed	NA	CH2	
BIO	BIO-13a	PC	AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction surveys shall be conducted concurrent with the San Joaquin kit fox and burrowing owl pre-construction surveys. Surveys shall be conducted as described in this condition [BIO-13]. Den avoidance, monitoring, and destruction methods shall adhere to those impact avoidance and minimization measures prescribed for San Joaquin kit fox in Condition BIO-14.	All avoidance and minimization measures related to American badger shall be included in the BRMIMP and implemented.	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-13b	CONS	AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction surveys shall be conducted concurrent with the San Joaquin kit fox and burrowing owl pre-construction surveys. Surveys shall be conducted as described in this condition [BIO-13]. Den avoidance, monitoring, and destruction methods shall adhere to those impact avoidance and minimization measures prescribed for San Joaquin kit fox in Condition BIO-14.	Perform Pre-Construction Survey and mapping.	Survey	Concurrent with Burrowing owl and San Joaquin kit fox surveys	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-13c	CONS	AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction surveys shall be conducted concurrent with the San Joaquin kit fox and burrowing owl pre-construction surveys. Surveys shall be conducted as described in this condition [BIO-13]. Den avoidance, monitoring, and destruction methods shall adhere to those impact avoidance and minimization measures prescribed for San Joaquin kit fox in Condition BIO-14.	Submit a report to the CPM and CDFG at least 10 days prior to the start of any pre-construction site mobilization that describes when surveys were completed, observations, and mitigation measures to be implemented.	Survey Report	At least 10 days prior to ground disturbing activities	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-13d	CONS	AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Monthly Compliance Reports	Implementation of the measures shall be reported in the monthly compliance reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-13e	CONS	AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Construction Completion (Termination) Report	Within 30 days after completion of construction of the project, provide to the CPM a written construction termination report identifying how impact minimization measures have been completed. Additional copies shall be provided to the Conservancy, CDFG, and USFWS.	Construction Completion (Termination) Report	Within 30 days after completion of project construction	TBD		Not Started	NA	CH2	
BIO	BIO-14a	PC	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Measures, developed in cooperation with East Contra Costa County Habitat Conservancy (Conservancy), shall be implemented to avoid and minimize impacts to San Joaquin kit fox in accordance with this condition {BIO-14}. Measures include pre-construction surveys. If San Joaquin kit fox and/or suitable dens are found measures outlined in this condition [BIO-14] shall be implemented. Measures include exclusion zones, den monitoring, and den avoidance (limited destruction of dens may be allowed).	All avoidance and minimization measures related to San Joaquin kit fox shall be included in the BRMIMP and implemented.	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-14b	CONS	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Measures, developed in cooperation with East Contra Costa County Habitat Conservancy (Conservancy), shall be implemented to avoid and minimize impacts to San Joaquin kit fox in accordance with this condition {BIO-14}. Measures include pre-construction surveys. If San Joaquin kit fox and/or suitable dens are found measures outlined in this condition [BIO-14] shall be implemented. Measures include exclusion zones, den monitoring, and den avoidance (limited destruction of dens may be allowed).	The pre-construction survey shall be conducted no more than 30 days prior to the initiation of pre-construction site mobilization on the OGS project site or sanitary sewer line and transmission line corridors.	Survey	No more than 30 days prior to the start of ground disturbance	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-14c	CONS	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Survey report	A written report summarizing the results of the pre-construction survey shall be sent to the CPM, the East Contra Costa County Habitat Conservancy (Conservancy), CDFG, and USFWS within 5 working days of survey completion and prior to the start of ground disturbance.	Survey Report	5 working days of survey completion and prior to the start of ground disturbance	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-14d	CONS	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Monthly Compliance Report	Implementation of the measures shall be reported in the monthly compliance reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-14e	CONS	SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Construction Completion Report	Within 30 days after completion of construction the project owner shall provide to the CPM a written construction termination report identifying how impact minimization measures have been completed. Additional copies shall be provided to the Conservancy, CDFG, and USFWS.	Construction Completion (Termination) Report	Within 30 days after completion of project construction	TBD		Not Started	NA	CH2	



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BIO	BIO-15a	PC	WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Measures shall be implemented to avoid and minimize impacts to western pond turtle in accordance with this condition [BIO-15]. Measures include pre-construction surveys and fencing.	All avoidance and minimization measures related to western pond turtle shall be included in the BRMIMP and implemented	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-15b	CONS	WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Measures shall be implemented to avoid and minimize impacts to western pond turtle in accordance with this condition [BIO-15]. Measures include pre-construction surveys and fencing.	Pre-Construction Survey (conducted in accordance with [BIO-16]. 1. Pre-construction surveys shall be conducted concurrent with the giant garter snake pre-construction surveys.	Survey	No more than 24 hours prior to the initiation of construction	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-15c	CONS	WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Survey Report	Submit a report to the CPM and CDFG at least 10 days prior to the start of any pre-construction site mobilization that describes when western pond turtle surveys were completed, observations, and mitigation measures to be implemented.	Survey Report	At least 10 days prior to ground disturbing activities	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-15d	CONS	WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Monthly Compliance Report	Implementation of the measures shall be reported in the monthly compliance reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-15e	CONS	WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES - Construction Completion (Termination) Report	Within 30 days after completion of construction provide to the CPM a written construction termination report identifying how impact minimization measures have been completed. Additional copies shall be provided to the East Contra Costa County Habitat Conservancy and CDFG.	Construction Completion (Termination) Report	Within 30 days after completion of project construction	TBD		Not Started	NA	CH2	
BIO	BIO-16a	PC	Giant Garter Snake: Measures, developed in cooperation with East Contra Costa County Habitat Conservancy (Conservancy) shall be implemented to avoid and minimize impacts to giant garter snake (GGS) in accordance with this condition [BIO-16]. Measures include preconstruction surveys, minimization measures, exclusion fencing, and USFWS approvals.	All GGS impact avoidance and minimization measures shall be included in the BRMIMP and implemented.	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-16b	CONS	Giant Garter Snake: Measures, developed in cooperation with East Contra Costa County Habitat Conservancy (Conservancy) shall be implemented to avoid and minimize impacts to giant garter snake (GGS) in accordance with this condition [BIO-16]. Measures include preconstruction surveys, minimization measures, exclusion fencing, and USFWS approvals.	The Designated Biologist or a representative approved by the CPM, in consultation with the East Contra Costa County Habitat Conservancy (Conservancy), CDFG, and USFWS, must survey the construction area within potential GGS habitat no more than 24 hours prior to the initiation of construction in the vicinity the GGS habitat along East Antioch Creek.	Survey	No more than 24 hours prior to the initiation of pre-con site mobilization	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-16c	CONS		Another pre-construction survey must be conducted if construction activity ceases for a period of more than 2 weeks.	Additional Survey	if needed	TBD		As-Needed	NA	CH2	
BIO	BIO-16d	CONS	Giant Garter Snake - Survey Report	Submit a report to the Conservancy, USFWS, CDFG, and the CPM documenting results of pre-construction surveys within 24 hours of commencement of construction activities. The project owner shall submit a report to the Conservancy, USFWS, CDFG, and the CPM if any GGS are found within work areas no more than 24 hours after the sighting is made.	Survey Report	Within 24 hours of commencement of construction activities	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-16e	CONS	Giant Garter Snake - Monthly Compliance Reports	Implementation of the measures shall be reported in the monthly compliance reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-16f	CONS	Giant Garter Snake - Construction Completion (Termination) Report	Within 30 days after completion of construction the project owner shall provide to the CPM a written construction termination report identifying how impact minimization measures have been completed. Additional copies shall be provided to the Conservancy, CDFG, and USFWS.	Construction Completion (Termination) Report	Within 30 days after completion of project construction	TBD		Not Started	NA	CH2	
BIO	BIO-17a	PC	The following measures, developed in cooperation with East Contra Costa County Habitat Conservancy (Conservancy) shall be implemented to avoid and minimize impacts to California tiger salamander.	All avoidance and minimization measures related to California tiger salamander shall be included in the BRMIMP and implemented. Implementation of the measures shall be reported in the Monthly Compliance Reports by the Designated Biologist.	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-17b	CONS	Wildlife exclusion fencing and silt fencing shall be installed to protect Wetland D, Wetland E, and Wetland F. "Sensitive Resource Area" signage shall also be installed at each wetland prior to pre-construction site mobilization.			prior to the start of ground disturbance			Complete	NA	OPC/CH2	
BIO	BIO-17c	CONS	Wildlife exclusion fencing will be installed to protect the riparian habitat along East Antioch Creek in the vicinity of the intersection of the transmission line right-of-way as described under giant garter snake avoidance and minimization measures prior to pre-construction site mobilization.			prior to start of T-line construction	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-17d	CONS	California Tiger Salamander	Implementation of the measures shall be reported in the monthly compliance reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-17e	CONS	California Tiger Salamander	Within 30 days after completion of construction, provide to the CPM a written construction termination report identifying how impact minimization measures have been completed. Additional copies shall be provided to the Conservancy, CDFG, and USFWS.	Construction Completion (Termination) Report	Within 30 days after completion of project construction	TBD		Not Started	NA	CH2	

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BIO	BIO-18a	PC	The following measures, developed in cooperation with East Contra Costa County Habitat Conservancy (Conservancy) shall be implemented to avoid and minimize impacts to California red-legged frog.	All avoidance and minimization measures related to California red-legged frog shall be included in the BRMIMP and implemented.	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-18b	CONS	Wildlife exclusion fencing will be installed to protect the riparian habitat along East Antioch Creek in the vicinity of the intersection of the transmission line right-of-way as described under giant garter snake avoidance and minimization measures			prior to start of T-line construction	TBD		Not Started	NA	CH2	Precon surveys were completed but additional surveys will be required prior to the start of T-line and water line construction.
BIO	BIO-18c	CONS	California Red-legged Frog Impact Avoidance and Minimization Measures - Monthly Compliance Reports	Implementation of the measures shall be reported in the monthly compliance reports by the Designated Biologist.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
BIO	BIO-18d	CONS	California Red-legged Frog Impact Avoidance and Minimization Measures - Construction Completion (Termination) Report	Within 30 days after completion of construction provide to the CPM a written construction termination report identifying how impact minimization measures have been completed. Additional copies shall be provided to the Conservancy, CDFG, and USFWS.	Construction Completion (Termination) Report	Within 30 days after completion of project construction	TBD		Not Started	NA	CH2	
BIO	BIO-19a	PC	Wetland E Monitoring and Adaptive Management Plan: Develop and implement a Wetland E Post-construction Management Plan (Plan). The plan must be prepared in accordance with this condition [BIO-19]. The plan must be developed by the project owner in coordination with the CPM and CDFG.	Prior to the start of any construction-related ground disturbance submit a draft Wetland E Monitoring and Adaptive Management Plan to the CPM, California Department of Fish and Game (CDFG), and the Central Valley RWQCB (CV RWQCB). The CPM in consultation with CDFG and the CV RWQCB, will determine the plan's acceptability.	Draft Management Plan	At least 60 days prior to the start of ground disturbance			Complete	NA	CH2	
BIO	BIO-19b	PC	Wetland E Post-construction Management Plan	Prior to the start of any construction-related ground disturbance, provide the CPM with the final version of the Wetland E Monitoring and Adaptive Management Plan that has been reviewed and approved by the CPM, in consultation with CDFG and the CV RWQCB. All modifications to the Wetland E Monitoring and Adaptive Management Plan shall be made only after approval from the CPM, in consultation with CDFG and the CV RWQCB.	Final Management Plan	At least 15 days prior to the start of ground disturbance			Complete	NA	CH2	
BIO	BIO-19c	CONS	Wetland E Post-construction Management Plan	Habitat improvements shall be initiated no later than 12 months from the start of construction.	Habitat improvements	No later than 12 months from the start of construction,	TBD		Not Started	NA	CCGS	
BIO	BIO-19d	CONS	Wetland E Post-construction Management Plan	Within 30 days after completion of project construction, provide to the CPM for review and approval a report identifying which items of the Wetland E Monitoring and Adaptive Management Plan have been completed.	Report	within 30 days after completion of construction	TBD		Not Started	NA	CCGS	
BIO	BIO-19-e	CONS	Wetland E Post-construction Management Plan	Submit annual reports to the CPM, CDFG, and the CV RWQCB describing planting, monitoring, and maintenance activities implemented as well as documentation of compliance with all goals, objectives and performance standards in the Wetland E Monitoring and Adaptive Management Plan. Annual monitoring reports will be submitted to the CPM and CDFG for review and approvals for years 1, 2, 3, 4, and 5, with the first year beginning one year after the habitat improvements are implemented. Habitat improvements are to be implemented concurrently with initiation of the OGS project. Annual monitoring reports shall be submitted to the CPM for review and approval and to the CDFG for review and comment annually within 30 days of the anniversary date of the commencement of habitat improvements for the life of the project.	Annual Monitoring Report	Ongoing throughout the life of the project	Ongoing		Not Started	NA	CCGS	
BIO	BIO-19-f	OPS	Wetland E Post-construction Management Plan	The project owner shall submit an addendum to the CPM for review and approval and to CDFG and CV RWQCB for review and comment prior to implementing adaptive management measures.	Adaptive Management Measures	As-needed	Ongoing		As-Needed	NA	CCGS	
BIO	BIO-20a	OPS	Antioch Dunes National Wildlife Refuge Funding: Annual payment to California Wildlife Foundation or other third-party approved by USFWS to assist in noxious weed management and its effects at the Antioch Dunes National Wildlife Refuge. Management activities funded may include but are not limited to: captive breeding and release of Lange's metalmark butterfly; propagation and transplantation of naked-stem buckwheat, Contra Costa wallflower, and Antioch Dunes evening primrose; noxious weed eradication using grazing animals, hand tools, and/or appropriate mechanical equipment. The first annual payment shall be no less than \$5,000.78. Each subsequent annual payment shall be adjusted for inflation in accordance with the Employment Cost Index – West or its successor, as reported by the U.S. Department of Labor's Bureau of Labor Statistics. Payment shall be made annually for the duration of project operation.	Provide written verification to the CPM, USFWS, and CDFG that the first-annual payment was made to the California Wildlife Foundation or other third-party approved by USFWS in accordance with this condition of certification. The project owner shall provide evidence that it has specified that its annual payment to California Wildlife Foundation or other third-party approved by USFWS can be used only to assist in noxious weed management and remediation of its effects (e.g., activities to support continued survival of Lange's metalmark butterfly, Contra Costa wallflower, and Antioch Dunes evening primrose) at the Antioch Dunes National Wildlife Refuge as directed by the USFWS.	Written Verification	No later than 30 days following the start of project operation	TBD		Not Started	NA	CCGS	
BIO	BIO-20b	OPS	Antioch Dunes National Wildlife Refuge Funding	Annually for the operating life of the project, provide written verification to the CPM, USFWS, and CDFG that payment has been made to the California Wildlife Foundation or other third-party approved by USFWS in accordance with this condition of certification.	Written Verification	Annually - within 30 days after each anniversary date	Ongoing		Not Started	NA	CCGS	

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BIO	BIO-20c	OPS		The project owner also shall request an annual report from the California Wildlife Foundation or other third-party approved by USFWS documenting how each annual payment required hereunder was used and applied to assist in noxious weed management at the Antioch Dunes National Wildlife Refuge. The project owner shall provide copies of such reports to the CPM within thirty (30) days after receipt.	Annual Report	Annually - within 30 days after receipt of report from California Wildlife Foundation	Ongoing		Not Started	NA	CCGS	
BIO	BIO-21	PC	East Contra Costa County Habitat Conservation Plan/Natural Communities Conservation Plan Mitigation Fees: Payment of mitigation fees for temporary and permanent impacts based on the acres of impact (staff assumes a 1:1 mitigation ratio for temporary and permanent impacts) as a one-time development fee of \$227,408 or updated fee as adjusted by the East Contra Costa County Habitat Conservancy (Conservancy), pending the approval date and the Annual Adjustment of mitigation fees. As a Participating Special Entity, the project owner would make a \$200,000 contribution to recovery of endangered and threatened species. The project owner would also make a contribution to complementary conservation planning as determined by Conservancy's Governing Board.	A copy of the receipt of payment issued to Conservancy, verifying the funds have been paid, shall be provided to the CPM within 30 days prior to site or related facilities mobilization.	Copy of receipt of payment	30 days prior to pre-con site mobilization			Complete	NA	CCGS	
BIO	BIO-22a	PC	East Contra Costa County Habitat Conservation Plan/Natural Communities Conservation Plan Certificate of Inclusion.	The terms and conditions contained in the incidental take permit shall be incorporated into the project's BRMIMP and implemented.	BRMIMP (See BIO-6)	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
BIO	BIO-22b	PC	East Contra Costa County Habitat Conservation Plan/Natural Communities Conservation Plan Certificate of Inclusion: The project owner shall provide a copy of the final East Contra Costa County Habitat Conservation Plan /Natural Communities Conservation Plan (ECCC HCP/NCCP) Certificate of Inclusion (permit) prior to pre-construction site mobilization.	Within 5 business days of its receipt, the project owner shall submit to the CPM a copy of the East Contra Costa County Habitat Conservancy's Certificate of Inclusion (permit) and verify that the permit terms and conditions are incorporated into the BRMIMP and will be implemented	Copy of Permit	Within 5 business days of receipt			Complete	NA	CCGS	
BIO	BIO-23	CONS	The project owner shall provide a copy of any U.S. Fish and Wildlife permit issued for the OGS Project (e.g., Incidental Take Permit). The terms and conditions contained in the permit shall be incorporated into the project's BRMIMP and implemented by the project owner	Project owner shall provide a copy of any USFWS permit issued for the OGS project within 15 days of issuance.	Copy of Permit	if needed	As-needed		As-Needed	NA	CH2	
CIVIL	CIVIL-1a	CONS	Submit to the CBO for review and approval the drainage and grading design, erosion & sediment control plan, related calculations & specifications, and the soils, geotechnical, or foundation reports.	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading, submit the documents described in this condition to the CBO for design review and approval.	Drainage & grading design / DESCP / related calcs & specs / soils, geotechnical, or foundation reports	At least 15 days prior to the start of site grading	Ongoing		In-progress	NA	EPC	
CIVIL	CIVIL-1b	CONS	--	In the next monthly compliance report following the CBO's approval, the project owner shall submit a written statement certifying that the documents have been approved by the CBO.	MCR	Monthly	Ongoing		In-progress	NA	EPC	1-time: MCR following approval of documents described in CIVIL-1
CIVIL	CIVIL-2	CONS	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible engineer identifies unforeseen adverse soil or geologic conditions. Submit modified plans, specifications, and calculations to the CBO based on these new conditions, and obtain approval from the CBO before resuming work.	The project owner shall notify the CPM within 24 hours, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, provide to the CPM a copy of the CBO's approval.	(If Needed)	Within 24 hours of work stopped	As-needed		As-Needed	NA	EPC	
CIVIL	CIVIL-3a	CONS	Perform inspections in accordance with the 2010 CBC, and this condition [CIVIL-3]. If it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM. Prepare a written report, with copies to the CBO and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	Within five days of the discovery of any discrepancies, the resident engineer shall transmit to the CBO and the CPM a non-conformance report (NCR), and the proposed corrective action for review and approval. Within five days of resolution of the NCR, submit the details of the corrective action to the CBO and the CPM.	(If Needed)	Within five days of the discovery of any discrepancies	As-needed		As-Needed	NA	EPC	
CIVIL	CIVIL-3b	CONS	--	A list of NCRs, for the reporting month, shall be included in the following monthly compliance report.	(If Needed)	Monthly	As-needed		As-Needed	NA	EPC	MCR within 5 days following resolution of NCR
CIVIL	CIVIL-4a	CONS	After completion of finished grading and erosion and sedimentation control and drainage work, obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	Within 30 days (or project owner- and CBO-approved alternative time frame) of the completion of the erosion and sediment control mitigation and drainage work, submit to the CBO, for review and approval, the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes, along with a copy of the transmittal letter to the CPM.	Final Grading Plans / Signed statement from Civil Engineer	Within 30 days of the completion of the erosion and sediment control mitigation and drainage work	TBD		In-progress	NA	EPC	
CIVIL	CIVIL-4b	CONS	--	Submit a copy of the CBO's approval to the CPM in the next monthly compliance report.	MCR	Monthly	Ongoing		In-progress	NA	EPC	1-time: MCR following completion of the erosion and sediment control mitigation and drainage work

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CUL	CUL-1a	PC	Obtain the services of a Cultural Resources Specialist (CRS) and one or more alternate CRSs (at the project owner’s option). The CRS shall perform duties as described in this condition [CUL-1]. No construction-related ground disturbance shall occur prior to Compliance Project Manager (CPM) approval of the CRS and alternates, unless such activities are specifically approved by the CPM. The resumes for the CRS and alternate(s) shall demonstrate to the satisfaction of the CPM that the CRS/alternate CRS has the appropriate training and experience to implement effectively the Conditions, qualifications in accordance with items 1 through 3 of this condition [CUL-1] and the names and telephone numbers of contacts familiar with the work of the CRS/alternate CRS on referenced projects.	At least 45 days prior to the start of construction-related ground disturbance, submit the resume for the CRS, and alternate(s) if desired, to the CPM for review and approval.	CRS & Alternates Resume	At least 45 days prior to the start of ground disturbance			Complete	NA	CH2	Clint Helton (CH2MHILL) will serve as the CRS
CUL	CUL-1b	PC		At least 10 days prior to the start of construction-related ground disturbance, confirm in writing to the CPM that the approved CRS will be available for onsite work and is prepared to implement the cultural resources conditions.	Confirmation of onsite CRS availability	At least 10 days prior to the start of construction-related ground disturbance			Complete	NA	CH2	
CUL	CUL-1c	CONS	After all ground disturbance is completed and the CRS has fulfilled all responsibilities specified in these cultural resources conditions, the project owner may discharge the CRS, if the CPM approves. With the discharge of the CRS, these cultural resources conditions no longer apply to the activities of this power plant.	At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS, submit the resume of the proposed new CRS, if different from the alternate CRS, to the CPM for review and approval. At the same time, also provide the AFC and all materials described in this condition to the proposed new CRS. If the CRS is terminated and there is no alternate CRS in place to conduct the duties of the CRS, a previously approved monitor may temporarily serve in place of a CRS for a maximum of 3 days. If cultural resources are discovered during that time, then construction-related ground disturbance shall halt and remain halted until there is a CRS or alternate CRS to make a recommendation regarding significance.	(If Needed)	At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS	Ongoing		As-Needed	NA	CH2	
CUL	CUL-1d	PC	The CRS may elect to obtain the services of Cultural Resources Monitors (CRMs), if needed, to assist in monitoring, mitigation, and curation activities. CRMs shall have the following qualifications in accordance with items 1 through 3 for CRMs of this condition [CUL-1]	At least 20 days prior to construction-related ground disturbance, the CRS shall provide a letter to the CPM naming CRMs for the project and attesting that the identified CRMs meet the minimum qualifications for cultural resources monitoring required by this condition.	Letter naming CRMs	At least 20 days prior to ground disturbance			Complete	NA	CH2	
CUL	CUL-1e	CONS		At least 5 days prior to additional CRMs beginning on-site duties during the project, the CRS shall provide additional letters to the CPM identifying the CRMs and attesting to their qualifications.	Letter naming CRMs	At least 5 days prior to new CRMs beginning on-site duties (as needed)	Ongoing		As-Needed	NA	CH2	
CUL	CUL-1f	CONS	The CRS may elect to obtain the services of other technical specialists, if needed, to assist in monitoring, mitigation, and curation activities. The resume(s) of any additional technical specialist(s), e.g., historical archaeologist, historian, architectural historian, and/or physical anthropologist, shall be submitted to the CPM for approval.	At least 10 days prior to any technical specialists beginning tasks, the resume(s) of the specialists shall be provided to the CPM for review and approval.	As needed technical specialists Quals	At least 10 days prior to any technical specialists beginning tasks	Ongoing		As-Needed	NA	CH2	
CUL	CUL-2a	PC	Prior to the start of construction-related ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition [CUL-2]. No construction-related ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM.	At least 40 days prior to the start of construction-related ground disturbance, provide the AFC, data responses, confidential cultural resources documents, and the Energy Commission FSA to the CRS, if needed, and the subject maps and drawings to the CRS and CPM. The CPM will review submittals in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities.	Maps and drawings	At least 40 days prior to the start of construction-related ground disturbance			Complete	NA	CH2	
CUL	CUL-2b	CONS	Prior to the start of construction-related ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition [CUL-2]. No construction-related ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM.	At least 15 days prior to the start of construction-related ground disturbance, if there are changes to any construction-related footprint, provide revised maps and drawings for the changes to the CRS and CPM.	Updated maps and drawings	At least 15 days prior to start of constuction-related ground disturbance	Ongoing		In-progress	NA	EPC	
CUL	CUL-2c	CONS	Prior to the start of construction-related ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition [CUL-2]. No construction-related ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM.	At least 15 days prior to each phase of a phased project, provide maps and drawings, if not previously provided, to the CRS and CPM.	Maps and drawings	At least 15 days prior to start of new phase of construction	Ongoing		In-progress	NA	EPC	
CUL	CUL-2d	CONS	Prior to the start of construction-related ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition [CUL-2]. No construction-related ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM.	Weekly during construction-related ground disturbance, a current schedule of anticipated project activity shall be provided to the CRS and CPM by letter, e-mail, or fax.	Current schedule	Weekly during ground disturbance	Ongoing		In-progress	NA	EPC	
CUL	CUL-2e	CONS	The project owner shall notify the CRS and CPM of any changes to the scheduling of the construction phases.	Within 5 days of changing the scheduling of phases of a phased project, provide written notice of the changes to the CRS and CPM.	Change in schedule of phases	Within 5 days of changing schedule	Ongoing		As-Needed	NA	EPC	
CUL	CUL-3a	PC	Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP), as prepared by or under the direction of the CRS and as described in this condition [CUL-3], to the CPM for review and approval. Implementation of the CRMMP shall be the responsibility of the CRS and the project owner. No construction-related ground disturbance shall occur prior to CPM approval of the CRMMP, unless such activities are specifically approved by the CPM.	Upon approval of the CRS proposed by the project owner, the CPM will provide to the project owner an electronic copy of the draft model CRMMP for the CRS. At least 30 days prior to the start of construction-related ground disturbance, submit the CRMMP to the CPM for review and approval.	Draft CRMMP	At least 30 days prior to the start of construction-related ground disturbance			Complete	NA	CH2	

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CUL	CUL-3b	PC	--		At least 30 days prior to the start of construction-related ground disturbance, in a letter to the CPM, agree to pay curation fees for any materials generated or collected as a result of the archaeological investigations (survey, testing, data recovery).	Letter confirming agreement to pay curation fees	At least 30 days prior to the start of construction-related ground disturbance		Complete	NA	CCGS		
CUL	CUL-3c	CONS		Copies of the CRMMP shall reside with the CRS, alternate CRS, each CRM, and the project owner’s on-site construction manager.		--	Throughout Construction	Ongoing		In-progress	NA	CCGS	
CUL	CUL-4a	CONS		Submit the final Cultural Resources Report (CRR) to the CPM for approval. The final CRR shall be prepared as described in this condition [CUL-4].	Within 90 days after completion of construction-related ground disturbance (including landscaping), submit the final CRR to the CPM for review and approval. If any reports have previously been sent to the CHRIS, then receipt letters from the CHRIS or other verification of receipt shall be included in an appendix.	Final CRR	Within 90 days after completion of ground disturbance	TBD		Not Started	NA	CH2	
CUL	CUL-4b	CONS	--		Within 90 days after completion of construction-related ground disturbance, if cultural materials requiring curation were generated or collected, provide to the CPM a copy of an agreement with, or other written commitment from, a curation facility that meets the standards stated in the California State Historical Resources Commission’s Guidelines for the Curation of Archaeological Collections, to accept cultural materials, if any, from this project. Any agreements concerning curation will be retained and available for audit for the life of the project.	Commitment from Curation Facility	Within 90 days after completion of ground disturbance	Ongoing		As-Needed	NA	CH2	Only applies if cultural materials are recovered that require curation.
CUL	CUL-4c	CONS	--		Within 10 days after CPM approval of the CRR, provide documentation to the CPM confirming that copies of the final CRR have been provided to the SHPO, the CHRIS, the curating institution, if archaeological materials were collected, and to the Tribal Chairpersons of any Native American groups requesting copies of construction-related reports.	Confirmation that CRR has been provided to required agencies	Within 10 days after CPM approval of the CRR	TBD		Not Started	NA	CH2	
CUL	CUL-4d	CONS		If the project owner requests a suspension of construction-related ground disturbance and/or construction activities, then a draft CRR that covers all cultural resources activities associated with the project shall be prepared by the CRS and submitted to the CPM for review and approval on the same day as the suspension/extension request. The draft CRR shall be retained at the project site in a secure facility until construction-related ground disturbance and/or construction resumes or the project is withdrawn. If the project is withdrawn, then a final CRR shall be submitted to the CPM for review and approval at the same time as the withdrawal request.	Within 30 days after requesting a suspension of construction activities, submit a draft CRR to the CPM for review and approval. If the project is withdrawn, submit a final CRR at the same time as the withdrawal request.	Draft CRR	Within 30 days after requesting a suspension of construction activities	Ongoing		Not Started	NA	CH2	
CUL	CUL-5a	PC		Prior to and for the duration of construction-related ground disturbance, provide Worker Environmental Awareness Program (WEAP) training, as described in the condition [CUL-5] to all new workers within their first week of employment. No construction-related ground disturbance shall occur prior to implementation of the WEAP program, unless such activities are specifically approved by the CPM.	At least 30 days prior to the beginning of construction-related ground disturbance, the CRS shall provide the training program draft text and graphics and the informational brochure to the CPM for review and approval. At least 15 days prior to the beginning of construction-related ground disturbance, the CPM will provide to the project owner a WEAP Training Acknowledgment form for each WEAP-trained worker to sign.	Draft WEAP	At least 30 days prior to the beginning of ground disturbance		Complete	NA	CH2		
CUL	CUL-5b	CONS	--		Monthly, until construction-related ground disturbance is completed, provide in the Monthly Compliance Report (MCR) the WEAP Training Acknowledgment forms of workers who have completed the training in the prior month and a running total of all persons who have completed training to date.	Signed WEAP Training Forms	Monthly	Ongoing		In-progress	NA	EPC	
CUL	CUL-6a	CONS		The CRS, alternate CRS, or CRMs shall monitor full time, as described in this condition [CUL-6], all construction-related ground disturbance at the project site to ensure there are no impacts to undiscovered resources and to ensure that known resources are not impacted in an unanticipated manner. The CRMs shall keep a daily log of monitoring and other cultural resources activities, as specified in this condition. As described in this condition, archaeological monitoring of all earth-moving activities shall be implemented, in the areas specified in this condition, for as long as the CPM requires. The research design in the CRMMP shall govern the collection, treatment, retention/disposal, and curation of any archaeological materials encountered. From the daily monitoring logs, the CRS shall compile a monthly monitoring summary report to be included in the MCR, as specified in this condition.	Monthly, while monitoring is on-going, include in each MCR a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS and attach any new DPR 523A forms completed for finds treated prescriptively, as specified in the CRMMP. Include reports from CRS of incidents of noncompliance with monitoring described in condition CUL-6h.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
CUL	CUL-6b	CONS		In the event that the CRS believes that a current level of monitoring is not appropriate in certain locations, a letter or e-mail detailing the justification for changing the level of monitoring shall be provided to the CPM for review and approval prior to any change in the level of monitoring.	At least 24 hours prior to implementing a proposed change in monitoring level, submit to the CPM, for review and approval, a letter or e-mail detailing the CRS’s justification for changing the monitoring level.	(If Needed)	At least 24 hours prior to implementing a proposed change in monitoring level	Ongoing		As-Needed	NA	CH2	
CUL	CUL-6c	CONS		The CRS or alternate CRS shall report daily to the CPM on the status of the project’s cultural resources-related activities, unless reducing or ending daily reporting is requested by the CRS and approved by the CPM.	Daily, as long as no cultural resources are found, the CRS shall provide a statement that “no cultural resources over 50 years of age were discovered” to the CPM as an e-mail or in some other form of communication acceptable to the CPM.	Statement of non-discovery	Daily	Ongoing		In-progress	NA	CH2	

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CUL	CUL-6d	CONS	--		At least 24 hours prior to reducing or ending daily reporting, submit to the CPM, for review and approval, a letter or e-mail (or some other form of communication acceptable to the CPM) detailing the CRS's justification for reducing or ending daily reporting.	Written Justification	At least 24 hours prior to reducing or ending daily reporting	TBD		Not Started	NA	CH2	
CUL	CUL-6e	CONS	A Native American monitor shall be obtained to monitor construction-related ground disturbance in areas where Native American artifacts are discovered and written notification of discoveries of archaeological material of interest to Native Americans shall be sent to those Native Americans who requested to be notified of such discoveries as specified in this condition.	No less than two days after the letter is sent, the CPM shall be copied on all of the information transmittal letters sent to the Chairpersons of the Native American tribes or groups who requested the information following the discovery of any Native American cultural materials. Additionally, submit to the CPM copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records.	(If Needed)	No less than 2 days after sending letters to Chairpersons of Native American tribes	Ongoing		As-Needed	NA	CCGS		
CUL	CUL-6f	CONS	--	Within 15 days of receiving them, submit to the CPM copies of any comments or information provided by Native Americans in response to the project owner's transmittals of information.	(If Needed)	Within 15 days of receiving comments or information provided by Native Americans	Ongoing		As-Needed	NA	CCGS		
CUL	CUL-6g	CONS	The CRS, may informally discuss cultural resources activities with Energy Commission technical staff. Any interference with monitoring activities, removal of a monitor from duties assigned by the CRS, or direction to a monitor to relocate monitoring activities by anyone other than the CRS shall be considered non compliance. Upon becoming aware of any incidents of non-compliance, the CPM shall be notified within 24 hours. The CRS shall also recommend corrective action.	-	(If Needed)	Within 24 hours of non-compliance	Ongoing		As-Needed	NA	CH2		
CUL	CUL-6h	CONS	If an incident of non-compliance occurs, when the issue is resolved, the CRS shall write a report describing the issue, the resolution of the issue, and the effectiveness of the resolution measures. This report shall be provided in the next MCR for the review of the CPM.	-	(If Needed)	The next MCR after a non-compliance issue occurs	Ongoing		As-Needed	NA	CH2		
CUL	CUL-7a	PC	The CRS, alternate CRS, and CRMs shall have authority to halt construction-related ground disturbance in the event of a cultural resource discovery. Redirection of construction-related ground disturbance shall be accomplished under the direction of the construction supervisor in consultation with the CRS. If the discovery includes human remains, the project owner shall comply with the requirements of Health and Human Safety Code 7050.5(b) and (c). Monitoring and daily reporting as provided in these conditions shall continue during the project's construction-related ground-disturbing activities elsewhere.	At least 30 days prior to the start of construction-related ground disturbance, provide the CPM and CRS with a letter confirming that the CRS, alternate CRS, and CRMs have the authority to halt construction-related ground disturbance in the vicinity of a cultural resources discovery, and that the project owner shall ensure that the CRS notifies the CPM within 24 hours of a discovery, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	Letter of confirmation	At least 30 days prior to the start of ground disturbance			Complete	NA	CH2		
CUL	CUL-7b	CONS	In the event of a discovery, the halting or redirection of construction-related ground disturbance shall remain in effect until the CRS has visited the discovery, and measures (1) through (4) of this condition [CUL-7] have occurred.	Within 48 hours of the discovery of a resource of interest to Native Americans, the project owner shall ensure that the CRS notifies all Native American groups that expressed a desire to be notified in the event of such a discovery.	(If Needed)	Within 48 hours of the discovery of a resource of interest to Native Americans	Ongoing		As-Needed	NA	CH2	Only required if cultural resource discovered.	
CUL	CUL-7c	CONS	--	Unless the discovery can be treated prescriptively, as specified in the CRMMP, completed DPR 523 forms for resources newly discovered during construction-related ground disturbance shall be submitted to the CPM for review and approval no later than 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recovery, whichever the CRS decides is more appropriate for the subject cultural resource.	(If Needed)	Within 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recovery, whichever the CRS decides is more appropriate	Ongoing		As-Needed	NA	CH2		
ELEC	ELEC-1	CONS	Prior to the start of any increment of electrical construction for electrical equipment and systems 480 Volts or higher (see a representative list in this condition ELEC-1), submit, for CBO design review and approval, the proposed final design, specifications, and calculations. Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction, submit to the CBO for design review and approval the documents listed in this condition. Include a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and send the CPM a copy of the transmittal letter in the next monthly compliance report.	MCR	Monthly	Ongoing		Not Started	NA	EPC	Does this apply to Construction Power?? Final design, specs, & calcs / RE Statement / Transmittal to CPM, Multi-times: At least 30 days prior to the start of each increment of electrical construction	
GEN	GEN-1a	CONS	The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the OGS.	Within 30 days following receipt of the certificate of occupancy, submit to the CPM a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy Commission's decision have been met.	Statement of Design Verification	Within 30 days following receipt of the certificate of occupancy	TBD		Not Started	NA	EPC		
GEN	GEN-1b	CONS	The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the OGS.	Provide the CPM a copy of the certificate of occupancy within 30 days of receipt from the CBO.	Certificate of Occupancy	Within 30 days of receiving the certificate of occupancy	TBD		Not Started	NA	EPC		

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GEN	GEN-1c	OPS	The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the OGS.	Once the certificate of occupancy has been issued, inform the CPM at least 30 days prior to any construction, addition, alteration, moving, demolition, repair, or maintenance to be performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. The CPM will then determine if the CBO needs to approve the work.	Notification to CPM	At least 30 days prior to any work on the completed facility that requires CBO approval	As-needed		As-Needed	NA	CCGS	
GEN	GEN-2a	CONS	Before submitting the initial engineering designs for CBO review, provide the CPM and the CBO with a schedule of facility design submittals, and master drawings and master specifications list, as specified in this condition [GEN-2]. To facilitate audits by Energy Commission staff, provide specific packages to the CPM upon request.	At least 60 days (or a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO and to the CPM the schedule, and the master drawings and master specifications list of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures, systems, and equipment defined in this condition. Major structures and equipment shall be added to or deleted from the list only with CPM approval.	Schedule, Master Drawings & Specifications Lists	At least 60 days prior to the start of rough grading	Ongoing		In-progress	NA	EPC	
GEN	GEN-2b	CONS	Schedule of facility design submittals	Provide schedule updates in the monthly compliance report.	MCR	Monthly	Ongoing		In-progress	NA	EPC	
GEN	GEN-3	CONS	Make payments to the CBO for design review, plan checks, and construction inspections. These fees may be consistent with the fees listed in the 2010 CBC, adjusted for inflation and other appropriate adjustments; may be based on the value of the facilities reviewed; may be based on hourly rates; or may be otherwise agreed upon by the project owner and the CBO.	The project owner shall make the required payments to the CBO in accordance with the agreement. The project owner shall send a copy of the CBO's receipt of payment to the CPM in the next monthly compliance report indicating that applicable fees have been paid.	MCR	Monthly	Ongoing		In-progress	NA	CCGS	Copy of CBO's Receipt of Payment, Multi-times: In accordance with the agreement
GEN	GEN-4a	CONS	Prior to the start of rough grading, assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project. The RE or his/her delegate(s) shall be responsible for the elements listed in this condition [GEN-4].	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project.	RE Resume & Registration Number	At least 30 days prior to the start of rough grading	TBD		Not Started	NA	CCGS	OPC has provided an RE but the project will still need to identify an RE for the sewer line and the T-line.
GEN	GEN-4b	CONS	--	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s) within 5 days of the approval.	Notification to CPM	Within 5 days of receiving the approval	As-needed		As-Needed	NA	CCGS	
GEN	GEN-4c	CONS	If the RE or the delegated engineers are reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer.	If the RE or the delegated engineer(s) is subsequently reassigned or replaced, the project owner has five days to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	(If Needed)	Within 5 days of replacing the RE or delegated engineer(s)	As-needed		As-Needed	NA	EPC	
GEN	GEN-5a	CONS	Prior to rough grading and prior to construction, assign at least one of each of the California registered engineers listed in this condition [GEN-5] to the project. The duties of the engineers are outlined in this condition.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading or the start of construction, submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, engineering geologist, responsible design engineer, mechanical engineer, and electrical engineer assigned to the project.	Engineer Resumes and registration number	At least 30 days prior to the start of rough grading	TBD		Not Started	NA	EPC	OPC has provided resumes but the project will still need to identify engineers for the sewer line.
GEN	GEN-5b	CONS	--	Notify the CPM of the CBO's approvals of the responsible engineers within five days of the approval.	Notification to CPM	Within 5 days of the approval	As-needed		As-Needed	NA	EPC	
GEN	GEN-5c	CONS	--	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer within five days of the approval.	(If Needed)	Within 5 days of replacing the designated engineer	As-needed		As-Needed	NA	EPC	
GEN	GEN-6a	CONS	Prior to the start of an activity requiring special inspection, assign to the project, qualified and certified special inspector(s) The special inspector(s) shall preform the duties outlined in this condition [GEN-6].	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection, submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth in this condition.	Name/Quals of Special Inspector	At least 15 days prior to the start of an activity requiring special inspection	As-needed		As-Needed	NA	CCGS	
GEN	GEN-6b	CONS	--	Submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report.	MCR	Monthly	Ongoing		In-progress	NA	CCGS	1-time: MCR following approval of special inspectors
GEN	GEN-6c	CONS	--	If the special inspector is subsequently reassigned or replaced, the project owner has five days in which to submit the name and qualifications of the newly assigned special inspector to the CBO for approval. Notify the CPM of the CBO's approval of the newly assigned inspector within five days of the approval.	(If Needed)	Within 5 days of replacing the special inspector	As-needed		As-Needed	NA	CCGS	
GEN	GEN-7	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference this condition and, if appropriate, applicable sections of the CBC and/or other LORS.	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next monthly compliance report. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	(If Needed)	Monthly	As-needed		As-Needed	NA	EPC	MCR following corrective action



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GEN	GEN-8a	CONS	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request the CBO to inspect the completed structure and review the submitted documents. Notify the CPM after obtaining the CBO's final approval. Retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at another accessible location during the operating life of the project. Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by the CPM.	Within 15 days of the completion of any work, submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	MCR	Monthly	Ongoing		In-progress	NA	EPC	Within 15 days of the completion of any work
GEN	GEN-8b	CONS	--	After storing the final approved engineering plans, specifications, and calculations described above, submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	Notification to CPM	After storing the final approved engineering plans, specifications, and calculations	Ongoing		Not Started	NA	CCGS	
GEN	GEN-8c	CONS	--	Within 90 days of the completion of construction, provide to the CBO three sets of electronic copies of the above documents at the project owner's expense. These are to be provided in the form of "read only" (Adobe) files, with restricted (password-protected) printing privileges, on archive quality compact discs.	Copies of approved plans/specs/calcs/as-builts	Within 90 days of the completion of construction	TBD		Not Started	NA	CCGS	
HAZ	HAZ-1	OPS	Any hazardous materials not listed in Appendix B shall not be used, or in greater quantities or strengths than those identified by chemical name in Appendix B, unless approved in advance by the CPM.	Provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility.	ACR	Annually	Ongoing		Not Started	NA	CCGS	
HAZ	HAZ-2a	CONS	The project owner shall concurrently provide a Hazardous Materials Business Plan (HMBP), an updated Spill Prevention, Control, and Countermeasure Plan (SPCC), and an updated Risk Management Plan (RMP) prepared pursuant to the California Accidental Release Program (CalARP) to the Contra Costa County Health Services Department – Hazardous Materials Program (CCCHSD-HMP) and the CPM for review. The project owner shall consider all recommendations that are made by the CCCHSD and CPM within thirty (30) days of submittal. Copies of any comments received (or if none were received, a letter so stating), the final updated HMBP, updated SPCC Plan, and updated RMP shall then be provided to the CCCHSD-HMP and the East Contra Costa Fire Protection District (ECCFPD) for information and to the CPM for approval.	At least thirty (30) days prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of any comments received (or if none were received, a letter so stating), a final updated Business Plan and updated SPCC Plan to the CCCHSD-HMP for information and to the CPM for approval. At least thirty (30) days prior to delivery of aqueous ammonia to the site, the project owner shall provide any comments received (or if none were received, a letter so stating), and the final updated RMP to the CCCHSD-HMP and the ECCFPD for information and to the CPM for approval.	Final HMBP and SPCC	At least 30 days prior to receiving any hazardous material / aqueous ammonia on the site	TBD		Not Started	NA	CH2	Commissioning or ops
HAZ	HAZ-2b	CONS	Copies of the final Hazardous Material Business Plan, SPCC Plan, and RMP shall be provided to the CCCHSD-HMP and the East Contra Costa Fire Protection District (ECCFPD) for information and to the CPM for approval.	At least 30 days prior to delivery of aqueous ammonia to the site, provide any comments received (or if none were received, a letter so stating), and the final RMP to the CCCHSD-HMP and ECCFPD for information and to the CPM for approval.	Final RMP	At least 30 days prior to receiving any hazardous material / aqueous ammonia on the site	TBD		Not Started	NA	CH2	
HAZ	HAZ-3	CONS	Develop and implement a Safety Management Plan, as outlined in this condition [HAZ-3] for delivery of aqueous ammonia and other liquid hazardous materials by tanker truck.	At least 30 days prior to the delivery of any liquid hazardous material to the facility, provide a Safety Management Plan as described in this condition to the CPM for review and approval.	Safety Management Plan	At least 30 days prior to the delivery of any liquid hazardous material to the facility	TBD		Not Started	NA	CH2	Commissioning?
HAZ	HAZ-4	CONS	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620, as described in this condition [HAZ-4].	At least 60 days prior to delivery of aqueous ammonia to the facility, submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the CPM for review and approval.	Final design drawings/specs of ammonia storage tank & secondary containment	At least 60 days prior to delivery of aqueous ammonia to the facility	TBD		Not Started	NA	EPC	
HAZ	HAZ-5	CONS	All vendors delivering aqueous ammonia to the site shall use only tanker truck transport vehicles which meet or exceed the specifications of DOT Code MC-307.	At least 30 days prior to receipt of aqueous ammonia on site, submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	Notification letters re: transport vehicle specs	At least 30 days prior to receipt of aqueous ammonia on site	TBD		Not Started	NA	EPC	
HAZ	HAZ-6	CONS	The project owner shall direct all vendors delivering any hazardous material to the site to use only the routes approved by the CPM (SR-4 to SR-160 to Wilbur Avenue to Bridgehead Road to the project site, or SR 4/Main Street and turn onto Bridgehead Road to the project site). The project owner shall obtain approval of the CPM if an alternate route is desired.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation direction to the CPM for review and approval	Transportation Route Limitation Direction	At least sixty (60) days prior to receipt of any hazardous materials on site	TBD		Not Started	NA	EPC	
HAZ	HAZ-7	PC	Prior to commencing construction, a site-specific Construction Site Security Plan for the construction phase shall be prepared and made available to the CPM for review and approval. The Construction Security Plan shall include items (1) through (3) of this condition [HAZ-7].	At least 30 days prior to commencing construction, notify the CPM that a site-specific Construction Security Plan is available for review and approval.	Construction Security Plan	At least 30 calendar days prior to start of construction			Complete	NA	EPC	
HAZ	HAZ-8a	CONS	Revise an existing or prepare a new site-specific security plan, as described in this condition [HAZ-8], for the commissioning and operational phases that will be available to the CPM for review and approval. The level of security to be implemented shall not be less than that described in (1) through (6) of this condition (as per NERC 2002). Fully implement the security plans and obtain CPM approval of any substantive modifications to those security plans.	At least 30 days prior to the initial receipt of hazardous materials on site, notify the CPM that a site-specific operations site security plan is available for review and approval.	Site Specific Operations Security Plan	At least 30 days prior to the initial receipt of hazardous materials on site	TBD		Not Started	NA	EPC/CCGS	Operations phase

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HAZ	HAZ-8b	OPS	---	In the annual compliance report, include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan. In the annual compliance report, include a statement that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations.	ACR	Annually	Ongoing		Not Started	NA	CCGS	
HAZ	HAZ-9a	CONS	The project owner shall not allow any fuel gas pipe cleaning activities on site, either before placing the pipe into service or at any time during the lifetime of the facility, that involve “flammable gas blows” where natural (or flammable) gas is used to blow out debris from piping and then vented to atmosphere. Instead, an inherently safer method involving a non-flammable gas (e.g. air, nitrogen, steam) or mechanical pigging shall be used. Exceptions to any of these provisions will be made only if no other satisfactory method is available, and then only with the approval of the CPM.	At least 30 days before any fuel gas pipe cleaning activities involving fuel gas pipe of four-inch or greater external diameter, submit a copy of the Fuel Gas Pipe Cleaning Work Plan which shall indicate the method of cleaning to be used, what gas will be used, the source of pressurization, and whether a mechanical PIG will be used, to the CBO for information and to the CPM for review and approval.	Fuel Gas Pipe Cleaning Work Plan	At least 30 days before fuel gas pipe cleaning activities	TBD		Not Started	NA	CCGS	
HAZ	HAZ-9b	OPS	The project owner shall not allow any fuel gas pipe cleaning activities on site, either before placing the pipe into service or at any time during the lifetime of the facility, that involve “flammable gas blows” where natural (or flammable) gas is used to blow out debris from piping and then vented to atmosphere. Instead, an inherently safer method involving a non-flammable gas (e.g. air, nitrogen, steam) or mechanical pigging shall be used. Exceptions to any of these provisions will be made only if no other satisfactory method is available, and then only with the approval of the CPM.	At least 30 days before any fuel gas pipe cleaning activities involving fuel gas pipe of four-inch or greater external diameter, submit a copy of the Fuel Gas Pipe Cleaning Work Plan which shall indicate the method of cleaning to be used, what gas will be used, the source of pressurization, and whether a mechanical PIG will be used, to the CBO for information and to the CPM for review and approval.	Fuel Gas Pipe Cleaning Work Plan	At least 30 days before fuel gas pipe cleaning activities	Ongoing		Not Started	NA	CCGS	
HAZ	HAZ-10a	CONS	The project owner shall notify the CPM in writing of any new safety and/or reliability legislation, rules, regulations, or standards adopted for natural gas distribution pipelines by the CPUC, NTSB, USDOT, or any other agency with jurisdiction during OGS pipeline construction or operation that are applicable to the OGS project natural gas pipeline. The project owner shall notify the CPM of the regulations and thereafter, consult with PG&E and the CPM regarding the project's feasible compliance with and implementation of the applicable measures.	Within 15 days of the adoption of any new safety and/or reliability legislation, rules, regulations, or standards for natural gas distribution pipelines, that are applicable to the OGS natural gas pipeline, the project owner shall provide the CPM with a written copy of the rule.	Written Notification	If needed, within 15 days of adoption	Ongoing		As-Needed	NA	CCGS	
HAZ	HAZ-10b	OPS	The project owner shall notify the CPM in writing of any new safety and/or reliability legislation, rules, regulations, or standards adopted for natural gas distribution pipelines by the CPUC, NTSB, USDOT, or any other agency with jurisdiction during OGS pipeline construction or operation that are applicable to the OGS project natural gas pipeline. The project owner shall notify the CPM of the regulations and thereafter, consult with PG&E and the CPM regarding the project's feasible compliance with and implementation of the applicable measures.	Within 15 days of the adoption of any new safety and/or reliability legislation, rules, regulations, or standards for natural gas distribution pipelines, that are applicable to the OGS natural gas pipeline, the project owner shall provide the CPM with a written copy of the rule.	Written Notification	If needed, within 15 days of adoption	Ongoing		As-Needed	NA	CCGS	
MECH	MECH-1a	CONS	Submit, for CBO design review and approval, the proposed final design, specifications and calculations for each plant major piping and plumbing system listed. Upon completion of construction of any such system, request the CBO's inspection.  The responsible mechanical engineer shall stamp and sign all plans, drawings, and calculations for the major piping and plumbing systems, subject to CBO design review and approval, and submit a signed statement to the CBO when the proposed piping and plumbing systems have been designed, fabricated, and installed in accordance with all of the applicable LORS.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and master specifications list, submit to the CBO for design review and approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS, and send the CPM a copy of the transmittal letter in the next monthly compliance report.	Final design plans, Specs & Calcs Engineer certification w/ transmittal to CPM	Multi-times: At least 30 days prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and specifications list	Ongoing		Not Started	NA	EPC	
MECH	MECH-1b	CONS	--	Transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	MCR	Monthly	Ongoing		In-progress	NA	EPC	In the following MCR
MECH	MECH-2a	CONS	For all pressure vessels installed in the plant, submit to CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by applicable LORS. Upon completion of the installation of any pressure vessel, request the appropriate CBO and/or Cal-OSHA inspection of that installation.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of on-site fabrication or installation of any pressure vessel, submit to the CBO for design review and approval, the documents listed in this condition, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM.	See condition text for document list	At least 30 days prior to the start of on-site fabrication or installation of any pressure vessel	Ongoing		Not Started	NA	EPC	
MECH	MECH-2b	CONS	--	Transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	MCR	Monthly	Ongoing		In-progress	NA	EPC	MCR and copy of transmittal in the following MCR

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MECH	MECH-3	CONS	Submit to the CBO for design review and approval, specifications, calculations, and quality control procedures for any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets. Design and install all HVAC and refrigeration systems in accordance with applicable codes. Upon completion of any increment of construction, request the CBO's inspection. The final plans, specifications and calculations shall include approved criteria, assumptions, and methods. In addition, the responsible mechanical engineer shall sign and stamp all plans, drawings and calculations and submit a signed statement to the CBO that the proposed final design plans, specifications and calculations conform with the applicable LORS.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of construction of any HVAC or refrigeration system, submit to the CBO the required HVAC and refrigeration calculations, plans, and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the CBC and other applicable codes, with a copy of the transmittal letter to the CPM.	HVAC & refrigeration calcs, plans, and specs / ME statement / Transmittal to CPM	At least 30 days prior to the start of construction of any HVAC or refrigeration system	Ongoing		Not Started	NA	EPC	
NOISE	NOISE-1a	CONS	PUBLIC NOTIFICATION PROCESS	Notify all residents within one mile of the project site boundaries and within ½-mile of the linear facilities, of the commencement of project construction. Establish a telephone number, as outlined in this condition [NOISE-1] for use by the public to report any undesirable noise conditions, and include the telephone number in above notice.	Public Notification	At least 15 days prior to the start of ground disturbance	TBD		Not Started	NA	CH2	Notice was provided for OGS project site and water line. Still need to provide additional notice prior to the start of T-line construction.
NOISE	NOISE-1b	CONS	---	At least 15 days prior to the start of demolition, transmit to the CPM a statement, signed by the project owner's project manager, stating that the notification has been performed, and describing the method of that notification. This communication shall also verify that the telephone number has been established and posted at the site, and shall provide that telephone number.	Confirmation of public notification & establishment of telephone number	At least 15 days prior to the start of ground disturbance	TBD		Not Started	NA	CCGS	Notice was provided for OGS project site and water line. Still need to provide additional notice prior to the start of T-line construction.
NOISE	NOISE-1c	OPS	---	Verification that the telephone number was maintained for at least one year after the project was operational.	Verification Letter	One year after project has been operational	Ongoing		Not Started	NA	CCGS	
NOISE	NOISE-2a	CONS	NOISE COMPLAINT PROCESS: Throughout the construction of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints, as outlined in this condition [NOISE-2].	Within five days of receiving a noise complaint, file a Noise Complaint Resolution Form, with both the local jurisdiction and the CPM, that documents the resolution of the complaint.	Noise Complaint Resolution Form	Within five days of receiving a noise complaint	Ongoing		As-Needed	NA	CCGS	
NOISE	NOISE-2b	CONS	NOISE COMPLAINT PROCESS: Throughout the construction of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints, as outlined in this condition [NOISE-2].	If mitigation is required to resolve a noise complaint, and the complaint is not resolved within a three-day period, submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.	Updated Noise Complaint Resolution Form	As-needed	Ongoing		As-Needed	NA	CCGS	Clarify verification with CEC Staff - request
NOISE	NOISE-2c	OPS	NOISE COMPLAINT PROCESS: Throughout the operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints, as outlined in this condition [NOISE-2].	Within five days of receiving a noise complaint, file a Noise Complaint Resolution Form, with both the local jurisdiction and the CPM, that documents the resolution of the complaint.	Noise Complaint Resolution Form	Within five days of receiving a noise complaint	Ongoing		As-Needed	NA	CCGS	
NOISE	NOISE-2d	OPS	NOISE COMPLAINT PROCESS: Throughout the operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints, as outlined in this condition [NOISE-2].	If mitigation is required to resolve a noise complaint, and the complaint is not resolved within a three-day period, submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.	Updated Noise Complaint Resolution Form	As-needed	As-needed		As-Needed	NA	CCGS	
NOISE	NOISE-3a	PC	Submit to the CPM for review and approval a noise control program and to reduce employee exposure to high (above permissible) noise levels during construction in accordance to the applicable OSHA and Cal-OSHA standards.	At least 30 days prior to the start of ground disturbance, submit the noise control program to the CPM. Make the program available to Cal-OSHA upon request.	Noise Control Program	At least 30 days prior to the start of ground disturbance			Complete	NA	EPC	
NOISE	NOISE-3b	PC	Submit to the CPM a statement verifying that the noise control program will be implemented throughout construction of the project.	At least 30 days prior to the start of ground disturbance, submit the statement signed by project manager to the CPM.	Signed Project Owner's Statement	At least 30 days prior to the start of ground disturbance			Complete	NA	CCGS	
NOISE	NOISE-4a	CONS	NOISE RESTRICTIONS: The project design and implementation shall include appropriate noise mitigation measures as described in this condition [NOISE-4].	The 25-hour community noise survey shall take place within 30 days of the project first achieving a sustained output of 90% or greater of rated capacity.	--	Within 30 days of the project first achieving a sustained output of 90% or greater of rated capacity	TBD		Not Started	NA	CH2	
NOISE	NOISE-4b	CONS	NOISE RESTRICTIONS	Within 15 days after completing the survey, submit a summary report of the survey to the CPM. Included in the survey report will be the measures described in this condition. Included in the survey report will be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limit, and a schedule, subject to CPM approval, for implementing these measures.	Survey Summary Report	Within 15 days after completing the noise survey	TBD		Not Started	NA	CH2	
NOISE	NOISE-4c	CONS	NOISE RESTRICTIONS	If additional noise mitigation measure are required, the noise survey shall be repeated after implementation of additional mitigation measures.	--	As-needed	Ongoing		As-Needed	NA	CH2	
NOISE	NOISE-5	CONS	Following the project's attainment of a sustained output of 85% or greater of its rated capacity, conduct an occupational noise survey to identify any noise hazardous areas in the facility. A report shall be prepared of the survey results and, if necessary, proposed mitigation measures to be employed in order to comply with the applicable California and federal regulations.	Within 30 days after completing the occupational noise survey, submit the noise survey report to the CPM. Make the report available to OSHA and Cal-OSHA upon request.	Occupational Noise Survey Report	Within 30 days after completing the occupational noise survey	TBD		Not Started	NA	CH2	

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NOISE	NOISE-6a	CONS	STEAM BLOW RESTRICTIONS: If a traditional, high-pressure steam blow process is employed, the project owner shall equip steam blow piping with a temporary silencer that quiets the noise of steam blows to no greater than 68 dBA Leq measured at monitoring location M2 and no greater than 64 dBA Leq measured at monitoring location M1. The project owner shall conduct high pressure steam blows only between the hours of 9:00 a.m. to 7:00 p.m.	At least 15 days prior to the first high-pressure steam blow, the project owner shall submit to the CPM drawings or other information describing the temporary steam blow silencer and the noise levels expected, and a description of the steam blow schedule.	High pressure steam blow plan	At least 15 days prior to the first high-pressure steam blow	TBD		Not Started	NA	EPC	
NOISE	NOISE-6b	CONS	STEAM BLOW RESTRICTIONS: If a low-pressure continuous steam blow process is employed, the project owner shall submit a description of this process, with expected noise levels and projected hours of execution, to the CPM.	At least 15 days prior to any low-pressure continuous steam blow, the project owner shall submit to the CPM drawings or other information describing the process, including the noise levels expected and the projected time schedule for execution of the process.	Low pressure steam blow plan	At least 15 days prior to any low-pressure continuous steam blow	TBD		Not Started	NA	EPC	
NOISE	NOISE-7a	CONS	STEAM BLOW RESTRICTIONS: The project owner shall notify all residents or business owners within one mile of the site of the planned steam blow activity, and shall make the notification available to other area residents in an appropriate manner.	---	Public Notification	At least 15 days prior to the first steam blow(s)	TBD		Not Started	NA	CCGS	
NOISE	NOISE-7b	CONS	STEAM BLOW RESTRICTIONS: The project owner shall send a letter to the CPM confirming that they have been notified of the planned steam blow activities, including a description of the method(s) of that notification	---	Confirmation letter	Within five (5) days of notifying all residents or business owners	TBD		Not Started	NA	CCGS	
NOISE	NOISE-8	PC	CONSTRUCTION TIME RESTRICTIONS: Heavy equipment operation and noisy construction work, including pile driving, shall be restricted to the times delineated in this condition [NOISE-8]. Haul trucks and other engine-powered equipment shall be equipped with adequate mufflers. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake use shall be limited to emergencies. Variance from the above-noted restrictions may be allowed upon issuance of a variance or waiver by the CPM, in consultation with the City of Oakley.	Prior to ground disturbance, a statement acknowledging that the restrictions in this condition will be observed throughout the construction of the project shall be transmit to the CPM, unless a variance or waiver from the above-noted restrictions has been approved by the CPM.	Statement of acknowledgement	Prior to ground disturbance			Complete	NA	EPC	
PAL	PAL-1a	PC	Provide the CPM with the resume and qualifications of the PRS for review and approval. The PRS and Paleontological Resource Specialist (PRS) shall meet the minimum qualifications described in this condition [PAL-1].	At least 60 days prior to the start of ground disturbance, submit a resume and statement of availability of its designated PRS for on-site work.	PRS Resume & Statement of Availability	At least 60 days prior to the start of ground disturbance			Complete	NA	CH2	
PAL	PAL-1b	PC	Ensure that the PRS obtains qualified Paleontologic Resource Monitors (PRMs) to monitor as he or she deems necessary on the project. PRMs shall have the equivalent of the qualifications described in this condition [PAL-1].	At least 20 days prior to ground disturbance, provide a letter with resumes naming anticipated monitors, stating that the identified monitors meet the minimum qualifications for paleontological resource monitoring required by the condition.	PRM Resumes & Quals	At least 20 days prior to ground disturbance			Complete	NA	CH2	
PAL	PAL-1c	CONS	If a PRM is replaced, the resume of the replacement PRM shall also be provided to the CPM. Keep resumes on file for qualified PRM.	If additional monitors are obtained during the project, provide additional letters and resumes to the CPM. The letter shall be provided to the CPM no later than one week prior to the monitor's beginning on-site duties.	(If Needed)	At least 1 week prior to the monitor beginning duties	Ongoing		As-Needed	NA	CH2	
PAL	PAL-2a	PC	Provide to the PRS and the CPM, for approval, maps and drawings showing the footprint of the project, as described in this condition [PAL-2]. If construction of the project proceeds in phases, maps and drawings may be submitted prior to the start of each phase. A letter identifying the proposed schedule of each project phase shall be provided to the PRS and CPM. The PRS or PRM shall consult weekly with the project superintendent or construction field manager to confirm area(s) to be worked the following week.	At least 30 days prior to the start of ground disturbance, provide the maps and drawings to the PRS and CPM.	Maps and drawings	At least 30 days prior to the start of ground disturbance			Complete	NA	EPC	
PAL	PAL-2b	CONS	If the footprint of the project or its linear facilities change, the project owner shall provide maps and drawings reflecting those changes to the PRS and CPM.	If there are changes to the footprint of the project, revised maps and drawings shall be provided to the PRS and CPM at least 15 days prior to the start of ground disturbance.	(If Needed)	At least 15 days prior to the start of ground disturbance	As-needed		As-Needed	NA	EPC	
PAL	PAL-2c	CONS	Before work commences on affected phases, the project owner shall notify the PRS and CPM of any construction phase scheduling changes.	If there are changes to the scheduling of the construction phases, submit a letter to the CPM within 5 days of identifying the changes.	(If Needed)	Within 5 days of identifying the changes	As-needed		As-Needed	NA	EPC	
PAL	PAL-3	PC	A paleontological resources monitoring and mitigation plan (PRMMP) shall be include elements (1) through (10) as specified in this condition [PAL-3] and submitted to the CPM for review and approval to identify general and specific measures to minimize potential impacts to significant paleontological resources. Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager, and the CPM.	At least 30 days prior to ground disturbance, provide a copy of the PRMMP to the CPM. The PRMMP shall include an affidavit of authorship by the PRS, and acceptance of the PRMMP by the project owner evidenced by a signature.	PRMMP	At least 30 days prior to ground disturbance			Complete	NA	CH2	
PAL	PAL-4a	PC	Worker Environmental Awareness Program: Prior to ground disturbance and for the duration of construction activities involving ground disturbance, as described in this condition [PAL-4], prepare and conduct weekly CPM-approved paleontological resources training for the workers specified in this condition. The training shall include elements (1) through (7) of this condition.	At least 30 days prior to ground disturbance, submit the proposed WEAP, including the brochure, with the set of reporting procedures for workers to follow. At least 30 days prior to ground disturbance, the project owner shall submit the script/final video to the CPM for approval if the project owner is planning to use a video for interim training.	Proposed WEAP, script, and final video	At least 30 days prior to ground disturbance			Complete	NA	CH2	
PAL	PAL-4b	CONS	WEAP TRAINING	If the owner requests an alternate paleontological trainer, the resume and qualifications of the trainer shall be submitted to the CPM for review and approval prior to installation of an alternate trainer. Alternate trainers shall not conduct training prior to CPM authorization.	(If Needed)	Prior to installation of an alternate trainer	Ongoing		As-Needed	NA	CH2	

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PAL	PAL-4c	CONS	WEAP TRAINING	In the MCR, provide copies of the WEAP certification of completion forms with the names of those trained and the trainer or type of training (in-person or video) offered that month. The MCR shall also include a running total of all persons who have completed the training to date.	MCR	Monthly	Ongoing		In-progress	NA	EPC	
PAL	PAL-5a	CONS	The PRS and PRM(s) shall monitor consistent with the PRMMP all construction-related grading, excavation, trenching, and augering in areas where potential fossil-bearing materials have been identified. The PRS and PRM(s) have the authority to halt or redirect construction if paleontological resources are encountered. Monitoring activities shall be conducted as in accordance with (1) through (4) of this condition [PAL-5]. A summary of monitoring and other paleontological activities shall be included placed in the MCRs, as described by this condition.	The PRS shall submit the summary of monitoring and paleontological activities in the MCR.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
PAL	PAL-5b	CONS	Any change of monitoring from the accepted schedule in the PRMMP shall be proposed in a letter or email from the PRS and the project owner to the CPM prior to the change in monitoring and will be included in the monthly compliance report. The letter or email shall include the justification for the change in monitoring and be submitted to the CPM for review and approval. In the event that the PRS determines full-time monitoring is not necessary in locations that were identified as potentially fossil-bearing in the PRMMP, the project owner shall notify and seek the concurrence of the CPM.	When feasible, the CPM shall be notified 10 days in advance of any proposed changes in monitoring different from the plan identified in the PRMMP. If there is any unforeseen change in monitoring, the notice shall be given as soon as possible prior to implementation of the change	(If Needed)	At least 10 days in advance of any proposed changes in monitoring, when feasible	Ongoing		As-Needed	NA	CH2	
PAL	PAL-6a	OPS	All components of the PRMMP shall be adequately performed including collection of fossil materials, preparation of fossil materials for analysis, analysis of fossils, identification and inventory of fossils, the preparation of fossils for curation, and the delivery for curation of all significant paleontological resource materials encountered and collected during project construction.	Maintain in the compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists for a period of three years after project completion and approval of the CPM-approved paleontological resource report (see PAL-7).	--	For 3 years after project completion	Ongoing		Not Started	NA	CCGS	
PAL	PAL-6b	CONS	--	Pay any curation fees charged by the museum for fossils collected and curated as a result of paleontological mitigation. A copy of the letter of transmittal submitting the fossils to the curating institution shall be provided to the CPM.	(If Needed)	Following transmittal of fossils	Ongoing		As-Needed	NA	CCGS	
PAL	PAL-7	CONS	The Paleontological Resources Report (PRR) shall be prepared by the designated PRS following completion of the ground-disturbing activities. The PRR shall include the elements described in this condition [PAL-7].	Within 90 days after completion of ground-disturbing activities, including landscaping, submit the PRR under confidential cover to the CPM.	Paleontological Resources Report	Within 90 days after completion of ground-disturbing activities	TBD		Not Started	NA	CH2	
PUBLIC HEALTH	PUBLIC HEALTH-1	CONS	Develop and implement a Cooling Water Management Plan that is consistent with either staff's <i>Cooling Water Management Program Guidelines</i> or the Cooling Technology Institute's <i>Best Practices for Control of Legionella</i> guidelines	At least 30 days prior to the start of cooling tower construction, the Cooling Wate Management Plan shall be provided to the Compliance Project Manager for review and approval.	Cooling Water Management Plan	At least 30 days prior to the start of cooling tower construction	TBD		Not Started	NA	CCGS	
SOCIO	SOCIO-1	PC	The project owner shall pay to the city of Oakley the Park Land Dedication Fee, Park Improvement Fee, Public Facilities Fee and the Fire Facilities Fee.	At least 15 days prior to the start of project construction, the project owner shall provide to the Compliance Project Manager (CPM) proof of payment to the city of Oakley for the Park Land Dedication Fee, Park Improvement Fee, Public Facilities Fee and the Fire Facilities Fee.	Payment / Proof of payment	At least 30 days prior to start of construction			Complete	NA	CCGS	
SOCIO	SOCIO-2	PC	Pay the one-time statutory school facility development fee to Antioch Unified School District as required by Education Code Section 17620.	At least 30 days prior to the start of project construction, provide to the CPM proof of payment of the statutory development fee.	Payment / Proof of payment	At least 30 days prior to start of construction			Complete	NA	CCGS	
S&W	SOIL & WATER-1a	PC	Obtain CPM approval for a site-specific Drainage, Erosion, and Sedimentation Control Plan / Stormwater Control Plan (DESCP / SWCP) that ensures protection of water quality and soil resources of the project site for both the construction and operational phases of the project. The DESCP shall contain elements 1 through 11 in [SOIL & WATER-1].	No later than 90 days prior to start of site mobilization, submit a copy of the DESCP to City of Oakley, Contra Costa Clean Water Program, and the Central Valley RWQCB (CV RWQCB) for review and comment.	Draft DESCP	At least 90 days prior to the start of site mobilization			Complete	NA	CH2	
S&W	SOIL & WATER-1b	PC	DESCP	A copy of the DESCP shall be submitted to the CPM no later than 60 days prior to the start of site mobilization for review and approval. The CPM shall consider comments received from City, CCCWP and/or CV RWQCB's.	Draft DESCP w/ County Comments	At least 60 days prior to the start of site mobilization			Complete	NA	CH2	
S&W	SOIL & WATER-1c	CONS	DESCP	During construction, provide an analysis in the monthly compliance report on the effectiveness of the drainage-, erosion- and sediment-control measures and the results of monitoring and maintenance activities.	MCR	Monthly	Ongoing		In-progress	NA	CCGS	
S&W	SOIL & WATER-1d	OPS	DESCP	Once operational, provide in the annual compliance report information on the results of stormwater BMP monitoring and maintenance activities.	ACR	Annually	Ongoing		Not Started	NA	CCGS	
S&W	SOIL & WATER-1e	CONS	DESCP	No later than 14 days prior to the transfer of ownership of the soil stockpiles to DuPont, submit a letter to the CPM from DuPont indicating that DuPont will assume responsibility to maintain the stockpiles in accordance with the approved Soil Stockpile BMP Plan.	Letter to CPM	No later than 14 days prior to transfer of ownership of soil stockpiles	TBD		Not Started	NA	CCGS	
S&W	SOIL & WATER-2a	CONS	Comply with the requirements of the General National Pollutant Discharge Elimination System (NPDES) permit for discharges of storm water associated with construction activity. In order to comply, develop and implement a Construction Storm Water Pollution Prevention Plan (Construction SWPPP) for the construction of the OGS site, laydown areas, and all linear facilities.	Prior to site mobilization, submit a copy of the construction SWPPP to the CPM for review.	Construction SWPPP	Prior to site mobilization	Ongoing		In-progress	NA	CH2	Plan will be updated as needed throughout construction.

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S&W	SOIL & WATER-2b	CONS		Construction SWPPP	The project owner shall submit copies to the CPM of all correspondence between the project owner and the CV RWACB regarding the NPDES permit for the discharge of stormwater associated with construction activity within 10 days of its receipt or submittal.	Copies of NPDES Correspondence	Within 10 days of receipt or submittal	Ongoing	In-progress	NA	CCGS	
S&W	SOIL & WATER-3a	CONS		If groundwater is encountered during construction or operation of the OGS, the project owner shall comply with the requirements of the Central Valley RWQCB Order NO. R5-2008-0081 for Waste Discharge Requirements for Dewatering and Other Low Threat Discharges to Surface Waters	Prior to any groundwater discharge or dewatering activities, the project owner shall submit a complete Notice of Intent (NOI) to obtain coverage under Central Valley RWQCB Order No. R5-2008-0081.	Notice of Intent	Prior to any groundwater discharge or dewatering activities	As-needed	As-Needed	NA	CH2	
S&W	SOIL & WATER-3b	CONS		---	Submit copies to the CPM of all correspondence between the project owner and the Central Valley RWQCB regarding Order No. R5-2008-0081, including the NOI, within 10 days of its receipt or submittal.	Correspondence	Within 10 days of receipt or submittal	As-needed	As-Needed	NA	CCGS	
S&W	SOIL & WATER-4a	CONS		Freshwater supplied by the potable connection with Diablo Water District (DWD) shall be used as the primary water supply for project operation for process, sanitary, and landscape irrigation purposes.	Prior to using potable and recycled water for construction or operational uses, the project owner shall submit to the CPM evidence that metering devices have been installed and are operational on the water supply and distribution systems. When the metering devices are serviced, tested and calibrated, the project owner shall provide a report summarizing these activities in the next annual compliance report. Those metering devices shall be operational for the life of the project.	Verification Letter/Initial ACR	At least 60 days prior to commercial operation	TBD	Not Started	NA	CCGS	
S&W	SOIL & WATER-4b	OPS			The project owner shall monitor and record the total water used, in gallons per day, on a monthly basis including recycled water from ISD and potable water from DWD.	ACR	Annually	Ongoing	Not Started	NA	CCGS	
S&W	SOIL & WATER-4c	OPS		Freshwater use shall not exceed the annual water use-limit of 250 acre-feet per year.	The project owner, in the annual compliance report, shall provide a Water Use Summary that states the source and quantity of potable and recycled water used on a monthly basis and on an annual basis in units of acre-feet. The project owner shall include in the annual compliance report information sufficient for the CPM to determine the status of the recycled water program being implemented by ISD and which criteria for use of recycled water have been met and what remains to be completed to satisfy the criteria for use of recycled water. Prior annual water use including yearly range and yearly average shall be reported in subsequent annual compliance reports (ACR).	ACR	Annually	Ongoing	Not Started	NA	CCGS	
S&W	SOIL & WATER-4d	OPS			The Project owner shall notify the CPM of any disruptions in the primary recycled water supply exceeding 24 hours.	Notification	As-needed	As-needed	As-Needed	NA	CCGS	
S&W	SOIL & WATER-4e	OPS			For any planned disruptions in the primary recycled water supply that will exceed 7 days, the Project owner shall obtain CPM approval on a water supply disruption plan that outlines the reasons and duration for the planned disruption, and the volume of secondary water that will be utilized during the planned disruption.	Notification	As-needed	As-needed	As-Needed	NA	CCGS	
S&W	SOIL & WATER-4f	OPS		Following commencement of project operations and within eighteen (18) months of all of the following conditions being met, and assuming the CEC approves a project amendment allowing the project to use recycled water and dispose of the associated high TDS wastewater, the primary water supply for project operations including all process and landscape irrigation shall be exclusively recycled water provided by Ironhouse Sanitary District (ISD) or other entity that can provide recycled water with the same water quality as ISD as approved by the CPM	Within six (6) months of all of the criteria outlined for converting to recycled water are met, the project owner shall submit an amendment pursuant to California Code of Regulations Title 20 Section 1769(a) proposing project use of recycled water.	Amendment	6 months after criteria are met	Ongoing	Not Started	NA	CCGS	
S&W	SOIL & WATER-4g	OPS		Use of recycled water shall be limited to 280 acre-feet per year (or as determined in review of the project amendment). After the project switches to the primary recycled water supply, the backup water supply for the project operation for process and landscape irrigation shall be freshwater provided by the potable connection with DWD. The use of freshwater from DWD for these purposes shall be limited to 25 acre-feet per year.	The project owner, in the annual compliance report, shall provide a Water Use Summary that states the source and quantity of potable and recycled water used on a monthly basis and on an annual basis in units of acre-feet. The project owner shall include in the annual compliance report information sufficient for the CPM to determine the status of the recycled water program being implemented by ISD and which criteria for use of recycled water have been met and what remains to be completed to satisfy the criteria for use of recycled water. Prior annual water use including yearly range and yearly average shall be reported in subsequent annual compliance reports (ACR).	ACR	Annually (Following conversion to Recycled Water)	Ongoing	Not Started	NA	CCGS	
S&W	SOIL & WATER-5a	CONS		Comply with the requirements of the General NPDES permit for discharges of storm water associated with industrial activity. Develop and implement a SWPPP for the operation of the site. Ensure that only stormwater is discharged onto the site.	At least 30 days prior to commercial operation, submit the OGS operational SWPPP to the CPM.	Operation SWPPP	At least 30 days prior to commercial operation	TBD	Not Started	NA	CH2	Pre-operation
S&W	SOIL & WATER-5b	CONS		Comply with the requirements of the General NPDES permit for discharges of storm water associated with industrial activity. Develop and implement a SWPPP for the operation of the site. Ensure that only stormwater is discharged.	Within 10 days of mailing or receipt of the operational SWPPP, submit to the CPM any correspondence, as specified by this condition, between the project owner and the RWQCB about the general NPDES permit for discharge of storm water associated with industrial activity.	Copies of Correspondence	Within 10 days of receipt or submittal	Ongoing	In-progress	NA	CH2	
S&W	SOIL & WATER-6a	PC		Upon project approval, the project owner shall develop and implement a Wetland E Monitoring and Adaptive Management Plan (Plan) (see BIO-19). in this condition [SOIL & WATER-6].	At least 60 days prior to the start of any construction related ground disturbance, the project owner shall submit a copy of the Draft Wetland E Monitoring and Adaptive Management Plan to the CPM, California Department of Fish and Game (DFG) and the Central Valley RWQCB (CV RWQCB) for review and comment.	Draft Wetland E Monitoring and Adaptive Management Plan	At least 60 days prior to the start of any construction related ground disturbance		Complete	NA	CH2	

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S&W	SOIL & WATER-6b	PC	Wetland Monitoring and Adaptive Management Plan for Mitigation Wetland E	The CPM in consultation with DFG and the CV RWQCB, will determine the plan's acceptability. At least 15 days prior to the start of any construction related ground disturbance, the project owner shall provide the CPM with the final version of the Wetland E Monitoring and Adaptive Management Plan	Mitigation Wetland E Monitoring and Adaptive Management Plan with comments	At least 15 days prior to the start of any construction related ground disturbance			Complete	NA	CH2	
S&W	SOIL & WATER-6c	CONS	Wetland Monitoring and Adaptive Management Plan for Mitigation Wetland E	The Wetland E Monitoring and Adaptive Management Plan shall be implemented prior to construction, including a minimum of one rainy season of pre-construction data collection.	Mininum of One-Season of Monitoring Data	Prior to construction	Ongoing		In-progress	NA	CH2	
S&W	SOIL & WATER-6d	CONS	Wetland Monitoring and Adaptive Management Plan for Mitigation Wetland E	During construction, the project owner shall provide monitoring data in the monthly compliance report on the effectiveness of the drainage, erosion and sediment control measures and the results of monitoring and maintenance activities.	MCR	Monthly	Ongoing		In-progress	NA	CH2	
S&W	SOIL & WATER-6e	OPS	Wetland Monitoring and Adaptive Management Plan for Mitigation Wetland E	Submit annual reports to the CPM, DFG, and the CV RWQCB detailing the results of water level monitoring and water quality sampling and analysis. The annual reports shall also document all maintenance activities implemented and compliance with all goals, objectives and performance standards in the Wetland E Monitoring and Adaptive Management Plan. The annual monitoring reports shall fully describe the status of the hydrology and water quality at Wetland E and any adaptive management measures implemented. Annual monitoring reports shall be submitted for review and approval annually within 30 days of the anniversary date of the commencement of habitat improvements for the life of the project.	ACR	Annually	Ongoing		Not Started	NA	CCGS	
S&W	SOIL & WATER-6f	OPS	Wetland Monitoring and Adaptive Management Plan for Mitigation Wetland E	The project owner shall submit copies to the CPM of all correspondence between the project owner and CDFG and/or the CV RWQCB regarding the Wetland E Monitoring and Adaptive Management.	Correspondence	As needed	As-needed		As-Needed	NA	CCGS	
S&W	SOIL & WATER-6g	CONS	Wetland Monitoring and Adaptive Management Plan for Mitigation Wetland E	Water quality samples shall be collected from the discharge point to Wetland E during the rainy season. Discharge samples shall be collected following the first three rainfall events of 0.5 inch or greater for each year of construction and the first five years of operation. In addition, water quality sampling and analysis shall be required for the first three rainfall events of 0.5 inch or greater following a reported release of hazardous materials at the site. If sample analysis results exceed RWQCB Benchmark values or US EPA Ambient Water Quality Criteria for Protection of Freshwater Aquatic Life during the first five years of operation or following a release of hazardous materials, water quality sampling and analysis shall continue until three contiguous years of water quality analyses meet the RWQCB Benchmark values and US EPA Water Quality Criteria. Sample analyses shall include tests for pH, Dissolved Oxygen, Total Suspended Solids, Specific Conductance, Oil & Grease, and metals (Arsenic, Chromium, Iron, Selenium, Lead, Mercury, etc.). If analysis results exceed RWQCB Benchmark values or US EPA Water Quality Criteria, contingency plans should be implemented to improve or augment the stormwater quality treatment Best Management Practices on site.	Water Sampling	As needed after discharge points are installed	Ongoing		Not Started	NA	CCGS	
S&W	SOIL & WATER-6h	OPS	Wetland Monitoring and Adaptive Management Plan for Mitigation Wetland E	Same as SOIL&WATER-6g	Water Sampling	As needed	As-needed		As-Needed	NA	CCGS	
S&W	SOIL & WATER-7a	CONS	Wastewater discharge should be limited to a maximum of 200-gpm and comply with the Ironhouse Sanitary District's Wastewater Discharge Requirements.	No later than 90 days prior to operation, the project owner shall submit to the Ironhouse Sanitary District a copy of the Wastewater Discharge Sampling and Analysis Plan for review and comment	Wastewater Discharge Sampling and Analysis Plan	No later than 90 days prior to operation	TBD		Not Started	NA	CCGS	Pre-operation
S&W	SOIL & WATER-7b	CONS	Wastewater Discharge Sampling and Analysis Plan	No later than 60 days prior to operation, the project owner shall submit the Wastewater Discharge Sampling and Analysis Plan with the Ironhouse Sanitary District's comments to the CPM for review and approval	Wastewater Discharge Sampling and Analysis Plan with comments	No later than 60 days prior to operation	TBD		Not Started	NA	CCGS	
S&W	SOIL & WATER-7c	OPS	Wastewater Discharge Sampling and Analysis Plan	The project owner shall provide information on the results of sample analysis results for wastewater discharge in the annual compliance report.	ACR	Annually	Ongoing		Not Started	NA	CCGS	
S&W	SOIL & WATER-7d	OPS	Wastewater Discharge Sampling and Analysis Plan	The project owner shall submit copies to the CPM of all correspondence between the project owner and Ironhouse Sanitation District DFG and/or the CV RWQCB regarding wastewater discharge	Correspondence	As needed	As-needed		As-Needed	NA	CCGS	
STRUC	STRUC-1a	CONS	Prior to the start of any increment of construction, submit plans, calculations and other supporting documentation, as described in this condition [STRUC-1] to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list.	At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the CBO-approved master drawing and master specifications list, submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	Final Design Plans, Specs & Calcs with Transmittal Letter	At least 60 days prior to the start of any increment of construction of listed component in the CBO-approved master drawing and specifications list	Ongoing		In-progress	NA	EPC	

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STRUC	STRUC-1b	CONS	Prior to the start of any increment of construction, submit plans, calculations and other supporting documentation, as described in this condition [STRUC-1] to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list.	At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the CBO-approved master drawing and master specifications list, submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	Final Design Plans, Specs & Calcs with Transmittal Letter	At least 60 days prior to the start of any increment of construction of listed component in the CBO-approved master drawing and specifications list	Ongoing		In-progress	NA	EPC	
STRUC	STRUC-1c	CONS	--	Submit to the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	MCR	Monthly	Ongoing		In-progress	NA	EPC	1-time: In the following MCR
STRUC	STRUC-2a	CONS	Submit to the CBO the required number of sets of the documents listed in this condition [STRUC-2] related to work that has undergone CBO design review and approval: Concrete cylinder strength test reports; Concrete pour sign-off sheets; Bolt torque inspection reports; Field weld inspection reports; and Reports covering other structural activities requiring special inspections.	--	See condition text for document list	On a schedule suitable to the CBO	Ongoing		In-progress	NA	EPC	
STRUC	STRUC-2b	CONS	--	If a discrepancy is discovered in the data listed in this condition, within five days, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the condition(s) and the applicable CBC chapter and section.	(If Needed)	Within 5 days of discovering a discrepancy	As-needed		As-Needed	NA	EPC	
STRUC	STRUC-2c	CONS	--	Within five days of resolution of the NCR, submit a copy of the corrective action to the CBO and the CPM.	(If Needed)	Within five days of resolution of the NCR	As-needed		As-Needed	NA	EPC	
STRUC	STRUC-2d	CONS	--	The project owner shall transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM within 15 days. If disapproved, the project owner shall advise the CPM, within five days, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	(If Needed)	Within 15 days of receiving approval or disapproval	As-needed		As-Needed	NA	EPC	
STRUC	STRUC-3a	CONS	Submit to the CBO design changes to the final plans required by the 2010 CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.	On a schedule suitable to the CBO, notify the CBO of the intended filing of design changes, and submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM.	(If Needed)	On a schedule suitable to the CBO	As-needed		As-Needed	NA	EPC	
STRUC	STRUC-3b	CONS	--	Notify the CPM, via the monthly compliance report, when the CBO has approved the revised plans.	MCR	Monthly	As-needed		As-Needed	NA	EPC	1-time: In the following MCR
STRUC	STRUC-4a	CONS	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2010 CBC shall, at a minimum, be designed to comply with the requirements of that chapter.	At least 30 days (or project owner- and CBO-approved alternate time frame) prior to the start of installation of the tanks or vessels containing the specified quantities of toxic or hazardous materials, submit to the CBO for design review and approval final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	Final design plans, Specs & Calcs Engineer certification	At least 30 days prior to the start of installation of the tanks or vessels	TBD		Not Started	NA	EPC	
STRUC	STRUC-4b	CONS	--	Send copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report. The project owner shall also transmit a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	MCR	Monthly	Ongoing		In-progress	NA	EPC	1-time: In the following MCR
TLSN	TLSN-1	CONS	Construct the proposed 230-kV transmission lines according to the requirements of California Public Utility Commission's GO-95, GO-52, GO-131-D, Title 8, and Group 2, High Voltage Electrical Safety Orders, sections 2700 through 2974 of the California Code of Regulations, and PG&E's EMF-reduction guidelines.	At least 30 days before starting the construction of the transmission line or related structures and facilities, submit to the CPM a letter signed by a California registered electrical engineer affirming that the lines will be constructed according to the requirements stated in this condition.	Confirmation Letter	At least 30 days before starting the upgrade of the transmission line or related structures and facilities	TBD		Not Started	NA	CCGS	
TLSN	TLSN-2a	OPS	Use a qualified individual to measure the strengths of the electric and magnetic fields from each line as outlined in this condition. These measurements shall be completed not later than six months after the start of operations.	These measurements shall be completed not later than six months after the start of operations.	--	Within 6 months after the start of operations	TBD		Not Started	NA	PG&E	
TLSN	TLSN-2b	OPS	--	File copies of the post-energization measurements with the CPM within 60 days after completion of the measurements.	Post-energization Measurements	Within 60 days of the post-energization measurements	TBD		Not Started	NA	PG&E	
TLSN	TLSN-3	OPS	The rights-of-way of the proposed transmission lines shall be kept free of combustible material as required under the provisions of section 4292 of the Public Resources Code and section 1250 of Title 14 of the California Code of Regulations.	During the first 5 years of plant operation, provide a summary of inspection results and any fire prevention activities carried out along the right-of-way of the line and provide such summaries in the Annual Compliance Report.	ACR	Annually during the first five years of plant operation	Ongoing		Not Started	NA	CCGS	
TLSN	TLSN-4	CONS	Ensure that all permanent metallic objects within the rights-of-way of the project-related line is grounded according to industry standards.	At least 30 days before the line is energized, transmit to the CPM a letter confirming compliance with this condition.	Confirmation Letter	At least 30 days before the lines are energized	TBD		Not Started	NA	PG&E	



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TLSN	TLSN-5	OPS	Identify and correct any complaints of interference with radio or television signals from operation of the project-related line and associated switchyards. Maintain written records for a period of five years, of all complaints of radio or television interference attributable to line operation together with the corrective action taken in response to each complaint. This record shall be submitted in an Annual Report to the Compliance Project Manager on transmission line safety and nuisance-related requirements	All reports of line-related complaints shall be summarized for the project-related lines and included during the first five years of plant operation in the Annual Compliance Report.	ACR	Annually during the first five years of plant operation	Ongoing		Not Started	NA	CCGS	
TRANS	TRANS-1	PC	Consult with the city of Oakley and prepare and submit to the CPM for approval a Construction Traffic Control Plan and implementation program. The Construction Traffic Control Plan must be prepared in accordance with Caltrans Manual on Uniform Traffic Control Devices and the WATCH Manual and must comply with [TRANS-1] conditions	At least 30 days prior to site mobilization, the project owner or contractor shall provide the Construction Traffic Control Plan to the CPM for review and approval	Construction Traffic Control Plan	At least 30 days prior to site mobilization			Complete	NA	CH2	
TRANS	TRANS-2a	CONS	All temporary construction equipment over 200-feet in height shall have lighting and marking consistent with FAA Advisory circular 70/7460-1 K, Obstruction Marking and Lighting, 34 (Markers) for temporary construction equipment so not to create a hazard to air navigation.	Submit FAA Form 7460-2, Notice of Actual Construction or Alteration, to the FAA at least 10 days prior to start of construction	FAA Form 7460-2, Notice of Actual Construction or Alteration	At least 10 days prior to start of construction	TBD		Not Started	NA	EPC	Request change to 10 days prior to use of equipment over 200 feet instead of 10 days prior to start of construction.
TRANS	TRANS-2b	CONS	All temporary construction equipment over 200-feet in height shall have lighting and marking consistent with FAA Advisory circular 70/7460-1 K, Obstruction Marking and Lighting, 34 (Markers) for temporary construction equipment so not to create a hazard to air navigation.	Submit FAA Form 7460-2, Notice of Actual Construction or Alteration within 5 days after the construction reaches its greatest height (7460-2, Part II)	FAA Form 7460-2, Notice of Actual Construction or Alteration	Within 5 days after the construction reaches its greatest height	TBD		Not Started	NA	EPC	
TRANS	TRANS-3a	PC	Prior to the start of construction, submit a copy of the images for the roadway segments to the CPM, city of Oakley, Contra Costa County, and/or Caltrans. Also prior to start of construction, the project owner shall notify the city, Contra Costa County, and/or Caltrans about the schedule for project construction.	Prior to the start of site mobilization, photograph or videotape all affected public roads, easements, right-of-way segment(s), and/or intersections and provide the CPM, the affected local jurisdiction(s), and Caltrans with a copy of these images.	Photo/Video of pre-project road conditions	Prior to the start of construction			Complete	NA	EPC	
TRANS	TRANS-3b	PC	Prior to start of construction, the project owner shall notify the city, Contra Costa County, and/or Caltrans about the schedule for project construction.	Purpose of this notification is to postpone any planned roadway resurfacing and/or improvement projects until after the project construction has taken place and to coordinate construction-related activities associated with other projects.	Notification Letter	Prior to the start of construction			Complete	NA	CCGS	
TRANS	TRANS-3c	CONS	Following completion of project construction, the project owner shall repair any damage to roadways affected by construction activity along with the primary roadways identified in the traffic control plan for construction traffic to the road's pre-project construction condition	Within 30 days after completion of the project, the project owner shall meet with the CPM and city of Oakley to determine and receive approval for the actions necessary and schedule to complete the repair of identified sections of public roadways to original or as near-original condition as possible.	Meeting	Within 30 days after completion of the project	TBD		Not Started	NA	CCGS	
TRANS	TRANS-3d	CONS	Repair damage to roadways	Following completion of any regional road improvements, the project owner shall provide to the CPM a letter from Contra Costa County, Caltrans, or other relevant jurisdiction if work occurred within its jurisdictional public ROW stating its satisfaction with the road improvements	Letter from Contra Costa County, Caltrans	Following completion of any regional road improvements	TBD		Not Started	NA	CCGS	
TRANS	TRANS-4a	CONS	Comply with Caltrans, Contra Costa County, city of Oakley, and other relevant jurisdictions limitations on vehicle sizes, weights, roadway encroachment, and travel routes and obtain any permits required for these actions	In the Monthly Compliance Reports, the project owner shall indicate that all required permits were obtained and list the jurisdictions they were acquired from, or indicate if no permits were necessary, during that reporting period.	MCR	Monthly	Ongoing		In-progress	NA	EPC	
TRANS	TRANS-4b	OPS	Comply with Caltrans, Contra Costa County, city of Oakley, and other relevant jurisdictions limitations on vehicle sizes, weights, roadway encroachment, and travel routes and obtain any permits required for these actions	The project owner shall retain copies of all acquired permits and supporting documentation in its compliance file for at least six months after the start of commercial operation	Project Archive	As-needed	Ongoing		Not Started	NA	CCGS	
TRANS	TRANS-5	PC	Payment of Transportation Fees: Where applicable, pay Traffic Impact Fee and the Regional Transportation Development Impact Mitigation Fee to City of Oakley.	At least 30 days prior to the start of project construction, the project owner shall provide to the CPM proof of payment of the Traffic Impact Fee and the Regional Transportation Development Impact Mitigation Fee or any future alternative regional fee adopted by the City	Proof of payment	At least 30 days prior to the start of project construction			Complete	NA	CCGS	
TSE	TSE-1a	CONS	Furnish to the CPM and to the CBO a schedule of transmission facility design submittals, as described in this condition [TSE-1], a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List. Provide designated packages to the CPM when requested.	Prior to the start of construction, submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM. The schedule shall contain the elements listed in this condition. Additions and deletions shall be made to the table only with CPM and CBO approval.	Schedule, Master Drawing and Specifications Lists	Prior to the start of construction	TBD		Not Started	NA	EPC/PG&E	Request change to "Prior to the start of T-line construction" or "Prior to start of substation construction".
TSE	TSE-1b	CONS	--	Provide schedule updates in the monthly compliance report.	(If Needed)	Monthly	As-needed		As-Needed	NA	EPC/PG&E	
TSE	TSE-2a	CONS	Prior to the start of construction assign an electrical engineer and at least one of each of the engineers listed in this condition [TSE-2] to the project. No segment of the project shall have more than one responsible engineer. The electrical engineer shall preform duties (1) and (2) listed in this condition. This engineer shall be authorized to halt earthwork and to require changes if site conditions are unsafe or do not conform with predicted conditions used as a basis for design of earthwork or foundations.	Prior to the start of rough grading, submit to the CBO for review and approval, the names, qualifications and registration numbers of all the responsible engineers assigned to the project. Notify the CPM of the CBO's approvals of the engineers within five days of the approval.	Name/Quals of Responsible Engineers	Prior to the start of rough grading	TBD		Not Started	NA	CCGS	
TSE	TSE-2b	CONS	If any one of the designated engineers is subsequently reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned engineer to the CBO for review and approval.	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. Notify the CPM of the CBO's approvals of the engineers within five days of the approval.	(If Needed)	Within 5 days of replacing the engineer	As-needed		As-Needed	NA	PG&E	

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TSE	TSE-3	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, document the discrepancy and recommend corrective action. The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval and shall reference this condition.	The project owner shall submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM within 15 days of receipt. If the corrective action is disapproved, advise the CPM, within five days, the reason for disapproval, and the revised corrective action required to obtain the CBO's approval.	(If Needed)	Within 15 days of receiving the discrepancy	As-needed		As-Needed	NA	PG&E-Gen-tie EPC-Substation	
TSE	TSE-4a	CONS	For the power plant switchyard, outlet line and termination, do not begin any construction until plans for that increment of construction have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction. Request that the CBO inspect the installation. Activities (A) through (C) of this condition shall be reported in the MCR.	Prior to the start of each increment of construction, submit to the CBO for review and approval the final design plans, specifications and calculations for equipment and systems of the power plant switchyard, outlet line and termination, including a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with the applicable LORS.	Final design, specs, & calcs / RE Statement	Multi-time: Prior to the start of each increment of construction	Ongoing		In-progress	NA	EPC/PG&E	
TSE	TSE-4b	CONS	Activities (A) through (C) of this condition shall be reported in the MCR.	Send the CPM a copy of the transmittal letter described in this condition in the next Monthly Compliance Report.	MCR	Monthly	Ongoing		In-progress	NA	EPC/PG&E	Transmittal to CPM
TSE	TSE-5a	CONS	The design, construction, and operation of the proposed transmission facilities will conform to all applicable LORS, and requirements (a) through (f) listed in this condition [TSE-5].	Prior to the start of construction of transmission facilities, submit to the CBO for approval the elements (a) through (f) listed in this condition.	See condition text for document list	Prior to the start of construction of transmission facilities	TBD		Not Started	NA	CCGS	
TSE	TSE-5b	CONS	Once approved, the project owner shall inform the CPM and CBO of any anticipated changes to the design, and shall submit a detailed description of the proposed change and complete engineering, environmental, and economic rationale for the change to the CPM and CBO for review and approval.	Prior to the construction of or start of modification of transmission facilities, inform the CBO and the CPM of any anticipated changes to the design that are different from the design previously submitted and approved and submit a detailed description of the proposed change and complete engineering, environmental, and economic rationale for the change to the CPM and CBO for review and approval.	(If Needed)	Prior to the construction of or start of modification of transmission facilities	As-needed		As-Needed	NA	CCGS	
TSE	TSE-6a	COMM	Provide the Notice to the California Independent System Operator (California ISO), as described in this condition [TSE-6], prior to synchronizing the facility with the California Transmission system. At least one week prior to synchronizing the facility with the grid for testing, provide the California ISO a letter stating the proposed date of synchronization.	Provide copies of the California ISO letter to the CPM when it is sent to the California ISO one week prior to initial synchronization with the grid.	Cal ISO Letter	At least 1 week prior to initial synchronization with the grid	TBD		Not Started	NA	CCGS	
TSE	TSE-6b	COMM	At least one business day prior to synchronizing the facility with the grid for testing, provide telephone notification to the California ISO Outage Coordination Department.	Contact the California ISO Outage Coordination Department, Monday through Friday, between the hours of 0700 and 1530 at (916) 351-2300 at least one business day prior to synchronizing the facility with the grid for testing. A report of conversation with the California ISO shall be provided electronically to the CPM one day before synchronizing the facility with the California transmission system for the first time.	Report of Conversation with Cal ISO	At least 1 business day prior to synchronizing the facility with the grid for testing	TBD		Not Started	NA	CCGS	
TSE	TSE-7a	CONS	The transmission facilities shall be inspected during and after project construction, and any subsequent CPM and CBO approved changes thereto.	Within 60 days after first synchronization of the project, transmit to the CPM and CBO items (A) through (C) of this condition.	As built Engineering descriptions / drawings / Summary of inspections	Within 60 days after first synchronization of the project	TBD		Not Started	NA	PG&E	
TSE	TSE-7b	CONS	In case of non-conformance, the project owner shall inform the CPM and CBO in writing, within 10 days of discovering such non-conformance and describe the corrective actions to be taken.	In case of non-conformance, inform the CPM and CBO in writing, within 10 days of discovering such non-conformance and describe the corrective actions to be taken.	(If Needed)	Within 10 days of discovering non-conformance	As-needed		As-Needed	NA	CCGS	
VIS	VIS-1a	CONS	Surface Treatment of Project Structures and Buildings: Color and finish the surfaces of all project structures and buildings visible to the public. Transmission line conductors and insulators shall be non-specular and non-reflective. A surface treatment plan shall be submitted to the CPM for approval that includes measures (A) through (E) of this condition.	At least 90 days prior to applying vendor color(s) and finish(es) for structures or buildings to be surface treated during manufacture, submit the proposed treatment plan to the CPM.	Proposed Surface Treatment Plan	At least 90 days prior to applying vendor color(s) and finish(es) for structures or buildings	TBD		In-progress	NA	EPC	This preconstruction item is still pending. Color plates for the turbines need to be submitted to the CPM once they are available.
VIS	VIS-1b	CONS	Surface Treatment of Project Structures and Buildings: The applicant shall not request vendor surface treatment of any buildings or structures during their manufacture, or perform final field treatment on any buildings or structures, until the applicant has received treatment plan approval by the CPM.	If the CPM determines that the plan requires revision, provide to the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to the CPM for approval.	(If Needed)	Before any treatment is applied	As-needed		As-Needed	NA	EPC	
VIS	VIS-1c	CONS	Surface Treatment of Project Structures and Buildings: The applicant shall notify the CPM that surface treatment of all listed structures and buildings has been completed and is ready for inspection; and shall submit one set of electronic color photographs from KOPs 1 and 3 showing the "as built" surface treated structures and buildings.	Prior to the start of commercial operation, notify the CPM that surface treatment of all listed structures and buildings has been completed and is ready for inspection; and submit one set of electronic color photographs from KOPs 1 and 3 showing the "as built" surface treated structures and buildings.	Notification of surface treatment completion and photographs from KOPs 1 & 3	Prior to the start of operations	TBD		Not Started	NA	EPC	
VIS	VIS-1d	OPS	Surface Treatment of Project Structures and Buildings: The surface treatment plan shall include a procedure to ensure proper treatment maintenance for the life of the project.	Provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify a) the condition of the surfaces of all structures and buildings at the end of the reporting year; b) major maintenance activities that occurred during the reporting year; and c) the schedule of major maintenance activities for the next year.	ACR	Annually	Ongoing		Not Started	NA	CCGS	
VIS	VIS-2a	CONS	Submit to the CPM for review and approval and simultaneously to the City of Oakley and the local water purveyor for review and comment a Landscape Documentation Package which includes measures (a) through (d) in VIS-2.	The landscaping plan shall be submitted to the CPM for review and approval and simultaneously to the City of Oakley for review and comment at least 90 days prior to installation.	Landscaping Plan	At least 90 days prior to installation	TBD		Not Started	NA	EPC	
VIS	VIS-2b	CONS	Create landscape screening of sufficient density and height to screen the power plant structures to the greatest feasible extent within the shortest feasible time	Planting must occur during the first optimal planting season following site mobilization.	Planting	First optimal planting season following site mobilization	TBD		Not Started	NA	EPC	What is "optimal planting season"

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VIS	VIS-2c	OPS	Provide timely replacement for aging or diseased tree specimens on site in order to avoid future loss of existing visual screening	The project owner shall simultaneously notify the CPM and the City of Oakley within seven days after completing installation of the landscape plan, that the site is ready for inspection	Landscape Installation Verification Report	Within seven days after completing installation	TBD		Not Started	NA	CCGS	
VIS	VIS-2d	OPS	Landscaping plan	The project owner shall report landscape maintenance activities, including replacement of dead or dying vegetation, for the previous year of operation in each Annual Compliance Report	ACR	Annually	Ongoing		Not Started	NA	CCGS	
VIS	VIS-3a	CONS	Construction Activity Lighting: To the extent feasible given safety and security concerns, lighting on the construction site and the construction laydown area shall minimize potential night lighting impacts, as outlined in (A) through (D) of this condition [VIS-3]	At least 90 days prior to ordering any permanent exterior lighting, the project owner shall contact the CPM to discuss the documentation required in the lighting mitigation plan	Notification to CPM	At least 90 days prior to ordering	TBD		Not Started	NA	EPC	
VIS	VIS-3b	CONS	Construction Activity Lighting	Within 7 days after the first use of construction lighting, notify the CPM that the lighting is ready for inspection.	Notification to CPM	Within 7 days after the first use of construction lighting	TBD		Not Started	NA	EPC	
VIS	VIS-3c	CONS	Construction Activity Lighting	If the CPM notifies the applicant that modifications to the lighting are needed to minimize impacts, within 15 days of receiving that notification implement the necessary modifications and notify the CPM that the modifications have been completed.	(If Needed)	Within 15 days of receiving notification	As-needed		As-Needed	NA	EPC	
VIS	VIS-3d	CONS	Construction Activity Lighting: If the applicant receives a complaint about construction lighting, the applicant shall notify the CPM and shall use the complaint resolution form included in the General Conditions section of the Compliance Plan to record each lighting complaint and to document the resolution of that complaint. The applicant shall provide a copy of each complaint form to the CPM.	Within 48 hours of receiving a lighting complaint, provide to the CPM; a) a report of the complaint, b) a proposal to resolve the complaint, and c) a schedule for implementation of the proposal.	(If Needed)	Within 48 hours of receiving a lighting complaint	As-needed		As-Needed	NA	CCGS	
VIS	VIS-3e	CONS	Construction Activity Lighting	Notify the CPM within 48 hours after completing implementation of the proposal to resolve the lighting complaint.	(If Needed)	Within 48 hours of implementing the proposal to resolve a lighting complaint	As-needed		As-Needed	NA	CCGS	
VIS	VIS-3f	CONS	Construction Activity Lighting	A copy of the complaint resolution form report shall be submitted to the CPM within 30 days of complaint resolution.	(If Needed)	Within 30 days of complaint resolution	As-needed		As-Needed	NA	CCGS	
VIS	VIS-3g	CONS	Permanent Exterior Lighting: To the extent feasible, consistent with safety and security considerations and commercial availability, design and install all permanent exterior lighting as described in measures (a) through (f) of this condition [VIS-3]. Provide to the CPM a lighting management plan that includes at a minimum the elements described in this condition.	At least 90 days prior to ordering any permanent exterior lighting, the project owner shall contact the CPM to discuss the documentation required in the lighting mitigation plan.	Meeting with CPM	At least 90 days prior to ordering any permanent exterior lighting	TBD		Not Started	NA	CCGS	
VIS	VIS-3h	CONS	Permanent Exterior Lighting	At least 60 days prior to ordering any permanent exterior lighting, the project owner shall submit to the CPM for review and approval and simultaneously to the City of Oakley for review and comment a lighting mitigation plan. The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan.	Lighting Mitigation Plan	At least 60 days prior to ordering any permanent exterior lighting	TBD		Not Started	NA	EPC	
VIS	VIS-3i	CONS	Permanent Exterior Lighting	Prior to commercial operation, the project owner shall notify the CPM that the lighting has been completed and is ready for inspection. If after inspection the CPM notifies the project owner that modifications to the lighting are needed, within 30 days of receiving that notification the project owner shall implement the modifications and notify the CPM that the modifications have been completed and are ready for inspection	(If Needed)	Within 30 days of receiving CPM's notification	As-needed		As-Needed	NA	EPC	
VIS	VIS-3j	CONS	Permanent Exterior Lighting	Prior to commercial operation, notify the CPM that the lighting has been installed and is ready for inspection.	Notification to CPM	Prior to commercial operation	TBD		Not Started	NA	EPC	
VIS	VIS-3k	CONS	Permanent Exterior Lighting	If after inspection the CPM notifies the applicant that modifications to the lighting are needed, within 30 days of receiving notification implement the modifications and notify the CPM that the modifications have been completed and are ready for inspection.	(If Needed)	Within 30 days of receiving notification	As-needed		As-Needed	NA	EPC	
VIS	VIS-3l	OPS	Permanent Exterior Lighting	Notify the CPM within 10 days after completing implementation of the proposal.	(If Needed)	Within 10 days of implementing a proposal to resolve a lighting complaint	As-needed		As-Needed	NA	CCGS	
VIS	VIS-3m	OPS	Permanent Exterior Lighting: If the applicant receives a complaint about project lighting, the applicant shall notify the CPM and shall use the complaint resolution form included in the General Conditions section of the Compliance Plan to record each lighting complaint and to document the resolution of that complaint. The applicant shall provide a copy of each complaint form to the CPM.	Within 48 hours of receiving a lighting complaint, provide to the CPM; a) a report of the complaint, b) a proposal to resolve the complaint, and c) a schedule for implementation of the proposal.	(If Needed)	Within 48 hours of receiving a lighting complaint	As-needed		As-Needed	NA	CCGS	
VIS	VIS-3n	OPS	Permanent Exterior Lighting	Notify the CPM within 48 hours after completing implementation of the proposal to resolve the lighting complaint.	(If Needed)	Within 48 hours of implementing the proposal to resolve a lighting complaint	As-needed		As-Needed	NA	CCGS	
VIS	VIS-3o	OPS	Permanent Exterior Lighting	A copy of the complaint resolution form report shall be submitted to the CPM within 30 days of complaint resolution.	(If Needed)	Within 30 days of complaint resolution	As-needed		As-Needed	NA	CCGS	

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WASTE	WASTE-1	CONS	Dispose of existing waste along the transmission line route within parcels where PG&E has the legal right to remove waste (including aboveground tanks, empty drums, and other equipment and materials) prior to initiation of construction of the transmission line for the Oakley Generating Station (OGS). PG&E will ensure proper handling of waste from areas disturbed during the construction of the transmission line.	At least 60 days prior to the start of site mobilization to construct the transmission line, the project owner shall provide to the CPM a list of the types and amount of existing waste to be disposed of from the Oakley Generating Station (OGS) transmission route	Disposed wastes list, and the soil sampling and analysis report	At least 60 days prior to the start of site mobilization	TBD		Not Started	NA	CCGS	Item tied to the T-line schedule.
WASTE	WASTE-2	PC	Submit a Soils Management Plan (SMP) to the CPM for approval, based on requirement in [WASTE-2]	At least 60 days prior to any earthwork, including those earthwork activities associated with the site mobilization, ground disturbance, or grading as defined in the general conditions of certification the project owner shall submit the Soils Management Plan to the CPM for approval	Soils Management Plan	At least 60 days prior to any earthwork			Complete	NA	CCGS	
WASTE	WASTE-3	PC	Provide the resume of an experienced and qualified Professional Engineer or Professional Geologist, who shall be available for consultation during site characterization (if needed), excavation and grading activities, to the CPM for review and approval. The resume shall show experience in remedial investigation and feasibility studies. The Professional Engineer or Professional Geologist shall be given full authority by the project owner to oversee any earth moving activities that have the potential to disturb contaminated soil.	At least 30 days prior to the start of site mobilization, submit the resume of the Professional Engineer or Professional Geologist to the CPM for review and approval.	Professional Engineer / Geologist Resume	At least 30 days prior to the start of site mobilization			Complete	NA	CH2	
WASTE	WASTE-4a	CONS	If potentially contaminated soil is identified, the Professional Engineer or Geologist shall inspect the site, determine the need for sampling, and provide a written report to the project owner, representatives of Department of Toxic Substances Control, and the CPM stating the recommended course of action.	Submit any final reports filed by the Professional Engineer or Professional Geologist to the CPM within 5 days of their receipt.	(If Needed)	Within 5 days of receiving any reports filed by the Professional Engineer or Geologist	As-needed		As-Needed	NA	CH2	
WASTE	WASTE-4b	CONS	The Professional Engineer or Geologist shall have the authority to temporarily suspend construction activity at that location for the protection of workers or the public. If, in the opinion of the Professional Engineer or Professional Geologist, significant remediation may be required, the project owner shall contact the CPM and representatives of the Department of Toxic Substances Control for guidance and possible oversight.	Notify the CPM within 24 hours of any orders issued to halt construction.	(If Needed)	Within 24 hours of any orders issued to halt construction	As-needed		As-Needed	NA	CH2	
WASTE	WASTE-5	PC	Prepare a Construction Waste Management Plan for all wastes generated during construction of the facility, and submit the plan to the CPM for review and approval. The plan shall contain, at a minimum, the elements listed in this condition [WASTE-5].	Submit the Construction Waste Management Plan to the CPM for approval no less than 30 days prior to the initiation of construction activities at the site.	Construction Waste Management Plan	At least 30 days prior to start of construction			Complete	NA	CH2	
WASTE	WASTE-6a	PC	Submit a Construction and Demolition Debris Recycling (C&D debris) plan to the city of Oakley . Project mobilization and construction shall not proceed until the City issues an approval document and the CPM provides written concurrence	At least 60 days prior to the start of any construction activities, the project owner shall submit the proposed C&D Debris Plan, along with any comments received from the city of Oakley, to the CPM for review and approval	C&D Debris Plan and comments	At least 60 days prior to the start of any construction activities			Complete	NA	CH2	Debris Recovery Plan: Pre-Construction form submitted to the City of Oakley on 8/3/11. City of Oakley approved 8/4/11.
WASTE	WASTE-6b	PC	C&D Debris Plan Fees	Prior to the start of any construction activities, submit required deposit and administrative fees.	Payment / Proof of payment	Prior to the start of any construction activities			Complete	NA	CCGS	
WASTE	WASTE-6c	OPS	Submit compliance documentation to the City of Oakley and the CPM.	Not later than 60 days after completion of project construction, the project owner shall submit documentation of compliance with the diversion program requirements to the CPM and city. The required documentation shall include a Recycling and Reuse Summary Report, along with all necessary receipts and records of measurement from entities receiving project wastes.	Recycling and Reuse Summary Report and receipts/records from entities receiving project wastes	Not later than 60 days after completion of project construction	TBD		Not Started	NA	CCGS	
WASTE	WASTE-6d	PC	Submit a Construction and Demolition Debris Recycling (C&D debris) plan to the city of Antioch . Project mobilization and construction shall not proceed until the City issues an approval document and the CPM provides written concurrence	At least 60 days prior to the start of any transmission line construction activities, submit the proposed Waste Management Plan, along with any comments received from the city of Antioch, to the CPM for review and approval. Project mobilization and construction shall not proceed until the city of Antioch issues an approval document, consistent with the city's normal building permit approval, and the CPM provides written concurrence.	C&D Debris Plan and comments	At least 60 days prior to start of T-line construction activities			Complete	NA	CH2	The City of Antioch has requested that all waste from the T-line be managed through the City of Oakley recycling plan.
WASTE	WASTE-6e	PC	C&D Debris Plan Fees	Prior to the start of any transmission line construction activities within the city of Antioch limits, submit to the city of Antioch, documentation consistent with the requirements of the city's C & D Debris Program, along with the normally required deposit and administrative fees.	Payment / Proof of payment	Prior to the start of any T-line construction activities			Complete	NA	CCGS	The City of Antioch has requested that all waste from the T-line be managed through the City of Oakley recycling plan.
WASTE	WASTE-6f	OPS	Submit compliance documentation to the City of Antioch and the CPM.	Not later than 60 days after completion of project construction, submit documentation of compliance with the diversion program requirements to the CPM and city. The required documentation shall include a Waste Management Plan completed in accordance with the city's requirements.	Recycling and Reuse Summary Report and receipts/records from entities receiving project wastes	Not later than 60 days after completion of project construction	TBD		Not Started	NA	CCGS	See City of Oakley requirement (WASTE-6c)
WASTE	WASTE-7	CONS	Obtain a hazardous waste generator identification number from the USEPA prior to generating any hazardous waste during construction. Obtain a hazardous waste generator identification number prior to generating any hazardous waste during operations.	Keep a copy of the identification number on file at the project site and provide the number to the CPM in the next Monthly Compliance Report.	MCR	Monthly			Complete	NA	CCGS	USEPA Haz Waste Generator ID Number CAR000219410 (Issued 6/14/11)

Technical Area	Cond. No.	Phase		Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of CBO/CPM Approval	Status	Amendment Date	Responsibility	Notes
WASTE	WASTE-8	CONS	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the way project-related wastes are managed.	(If Needed)	Within 10 days of becoming aware of an impending enforcement action	As-needed		As-Needed	NA	CCGS	
WASTE	WASTE-9a	CONS	Prepare an Operation Waste Management Plan for all wastes generated during operation of the facility, and shall submit the plan to the CPM for review and approval. The plan shall contain, at a minimum, the elements listed in this condition [WASTE-9].	Submit the Operation Waste Management Plan to the CPM for approval no less than 30 days prior to the start of project operation. Submit any required revisions to the CPM within 20 days of notification from the CPM that revisions are necessary.	Operation Waste Management Plan	At least 30 days prior to the start of operation	TBD		Not Started	NA	CCGS	Pre-operation
WASTE	WASTE-9b	CONS	Prepare an Operation Waste Management Plan for all wastes generated during operation of the facility, and shall submit the plan to the CPM for review and approval. The plan shall contain, at a minimum, the elements listed in this condition [WASTE-9].	Submit any required revisions to the CPM within 20 days of notification from the CPM that revisions are necessary.	(If Needed)	Within 20 days of Notification	As-needed		As-Needed	NA	CCGS	Pre-operation
WASTE	WASTE-9c	OPS	Operation Waste Management Plan	Document in each Annual Compliance Report the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generation and management methods used to those proposed in the original Operation Waste Management Plan; and update the Operation Waste Management Plan as necessary to address current waste generation and management practices.	ACR	Annually	Ongoing		Not Started	NA	CCGS	
WASTE	WASTE-10	CONS	All spills or releases of hazardous substances, materials, or waste shall be reported, cleaned-up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements.	Document, as described in this condition [WASTE-10] all unauthorized releases and spills of hazardous substances, materials, or wastes that occur on the project property or related pipeline and transmission corridors. Copies of the unauthorized spill documentation shall be provided to the CPM within 30 days of the date the release was discovered.	(If Needed)	Within 30 days of the date the release was discovered	As-needed		As-Needed	NA	EPC	
WORKER SAFETY	WORKER SAFETY-1	PC	Submit to the CPM the Project Construction Safety and Health Program containing the elements listed in this condition [WORKER SAFETY-1]. The Personal Protective Equipment Program, the Exposure Monitoring Program, and the Injury and Illness Prevention Program shall be submitted to the CPM for review and approval. The Construction Emergency Action Plan and the Fire Prevention Plan shall be submitted to the East Contra Costa Fire Protection District for review and comment prior to submittal to the CPM for approval.	At least 30 days prior to the start of construction, the project owner shall submit to the CPM for review and approval a copy of the Project Construction Safety and Health Program. Provide a copy of a letter to the CPM of any comments received from the East Contra Costa Fire Protection District on the Construction Fire Prevention Plan and Emergency Action Plan.	Construction Health & Safety Program w/Fire Department Comments on EAP/FPP	At least 30 days prior to start of construction			Complete	NA	EPC	
WORKER SAFETY	WORKER SAFETY-2	CONS	Submit to the CPM the Project Operations and Maintenance Safety and Health Program containing the elements listed in this condition [WORKER SAFETY-2]. The Operation Injury and Illness Prevention Plan, Emergency Action Plan, and Personal Protective Equipment Program shall be submitted to the CPM for review and comment concerning compliance of the programs with all applicable safety orders. The Fire Prevention Plan and the Emergency Action Plan shall also be submitted to the East Contra Costa Fire Protection District for review and comment.	At least 30 days prior to the start of first-fire or commissioning, submit to the CPM for approval a copy of the Project Operations and Maintenance Safety and Health Program. Provide a copy of a letter to the CPM of any comments received from the East Contra Costa Fire Protection District on the Operations Fire Prevention Plan and Emergency Action Plan.	Operation Health & Safety Program w/Fire Department Comments on EAP/FPP	At least 30 days prior to the start of first-fire or commissioning	TBD		Not Started	NA	CCGS	
WORKER SAFETY	WORKER SAFETY-3a	PC	Provide a site Construction Safety Supervisor (CSS) who is qualified as specified in this condition [WORKER SAFETY-3]. The CSS shall perform the duties listed in this condition.	At least 30 days prior to the start of construction, submit to the CPM the name and contact information for the CSS.	CSS Name/Contact	At least 30 calendar days prior to start of construction			Complete	NA	EPC	
WORKER SAFETY	WORKER SAFETY-3b	CONS	Construction Safety Supervisor (CSS)	The CSS shall submit in the Monthly Compliance Report a monthly safety inspection report to include the elements listed in this condition.	MCR	Monthly	Ongoing		In-progress	NA	EPC	
WORKER SAFETY	WORKER SAFETY-3c	CONS	Construction Safety Supervisor (CSS)	The contact information of any replacement CSS shall be submitted to the CPM within one business day.	If needed	within one business day of replacement	As-needed		As-Needed	NA	EPC	
WORKER SAFETY	WORKER SAFETY-4	PC	Make payments to the Chief Building Official (CBO) for the services of a Safety Monitor. Those services shall be in addition to other work performed by the CBO. The Safety Monitor shall be responsible for the duties listed in condition [WORKER SAFETY-3].	Prior to the start of construction, provide proof of agreement to fund the Safety Monitor services to the CPM for review and approval.	Proof of Agreement w/CBO for Safety Monitor	Prior to construction			Complete	NA	CCGS	
WORKER SAFETY	WORKER SAFETY-5	PC	A portable automatic external defibrillator (AED) shall be located on site during demolition, construction, and operations and a training program shall be implemented, as described in this condition [WORKER SAFETY-5]. The training program shall be submitted to the CPM for review and approval.	At least 30 days prior to the start of construction, submit to the CPM proof that a portable AED exists on site and a copy of the training and maintenance program for review and approval.	Proof of AED and Training Program	At least 30 calendar days prior to start of construction			Complete	NA	EPC	
COMPLIANCE	COMPLIANCE-1	CONS	Unrestricted Access	The project owner shall grant Energy Commission staff and delegate agencies or consultants unrestricted access to the power plant site.	Access	As-Requested	As-Requested		In-progress	NA	CCGS	
COMPLIANCE	COMPLIANCE-2	CONS	Compliance Record	The project owner shall maintain project files on-site. Energy Commission staff and delegate agencies shall be given unrestricted access to the files.	Access	As-Requested	As-Requested		In-progress	NA	CCGS	
COMPLIANCE	COMPLIANCE-3	CONS	Compliance Verification Submittals	The project owner is responsible for the delivery and content of all verification submittals to the CPM, whether such condition was satisfied by work performed or the project owner or his agent.	Verification Submittals	Monthly/Annually/As Received	Ongoing		In-progress	NA	CCGS	

Technical Area	Cond. No.	Phase		Verification/Action	Submittal	Submittal Date Required	Expected or Actual Submittal Date	Date of CBO/CPM Approval	Status	Amendment Date	Responsibility	Notes
COMPLIANCE	COMPLIANCE-4	PC	Pre-construction Matrix and Tasks Prior to Start of Construction	Construction shall not commence until the all of the following activities/submittals have been completed: property owners living within one mile of the project have been notified of a telephone number to contact for questions, complaints or concerns; a pre-construction matrix has been submitted identifying only those conditions that must be fulfilled before the start of construction; all pre-construction conditions have been complied with; the CPM has issued a letter to the project owner authorizing construction.	Pre-construction Matrix	Prior to commencement of construction			Complete	NA	CCGS	
COMPLIANCE	COMPLIANCE-5	CONS	Compliance Matrix	The project owner shall submit a compliance matrix (in a spreadsheet format) with each monthly and annual compliance report which includes the status of all compliance conditions of certification.	Compliance Matrix	Monthly	Ongoing		In-progress	NA	CCGS	
COMPLIANCE	COMPLIANCE-6	CONS	Monthly Compliance Report including a Key Events List	During construction, the project owner shall submit Monthly Compliance Reports (MCRs) which include specific information. The first MCR is due the month following the Energy Commission business meeting date on which the project was approved and shall include an initial list of dates for each of the events identified on the Key Events List.	Monthly Compliance Reports (MCRs)	Monthly	Ongoing		In-progress	NA	CCGS	
COMPLIANCE	COMPLIANCE-7	OPS	Annual Compliance Reports	After construction ends and throughout the life of the project, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports.	Annual Compliance Reports	After completion of construction	Ongoing		Not Started	NA	CCGS	
COMPLIANCE	COMPLIANCE-8	CONS	Confidential Information	Any information the project owner deems confidential shall be submitted to the Energy Commission's Executive Director with a request for confidentiality.	Confidential Filings	As-Needed	As-needed		As-Needed	NA	CCGS	
COMPLIANCE	COMPLIANCE-9a	PC	Annual fees	Payment of Annual Energy Facility Compliance Fee	Initial Annual Compliance Fee	Initial payment due on date of Business Meeting when Energy Commission accepts final decision			Complete	NA	CCGS	
COMPLIANCE	COMPLIANCE-9b	OPS	Annual fees	Payment of Annual Energy Facility Compliance Fee	Annual Compliance Fee	Due annually on July 1	Ongoing		Not Started	NA	CCGS	
COMPLIANCE	COMPLIANCE-10	CONS	Exhibit Cover Pages - Typically, the exhibit cover pages do not contain narrative but are cover pages for the narrative and attachments. However, it is a style preference and can left as provided by GE if desired.	Prior to the start of construction, the project owner must send a letter to property owners living within one mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns. Within 10 days of receipt, the project owner shall report to the CPM, all notices, complaints, and citations.	Telephone Number for Nearby Property Owners to Call / Notice, Complaint, and Citation Reports	Prior to commencement of construction / Within 10 days of receipt	Ongoing		Not Started	NA	CCGS	Residents within one mile of the project site were notified but still required to notify residents along the T-line prior to the start of T-line construction.
COMPLIANCE	COMPLIANCE-11	OPS	Planned Facility Closure	The project owner shall submit a closure plan to the CPM at least 12 months prior to commencement of a planned closure.	Closure Plan	At least 12 months prior to commencement of planned closure	TBD		Not Started	NA	CCGS	
COMPLIANCE	COMPLIANCE-12	CONS	Unplanned Temporary Facility Closure	To ensure that public health and safety and the environment are protected in the event of an unplanned temporary closure, the project owner shall submit an on-site contingency plan no less than 60 days prior to commencement of commercial operation.	On-site Contingency Plan	No less than 60 days prior to commencement of commercial operation	TBD		Not Started	NA	CCGS	
COMPLIANCE	COMPLIANCE-13	CONS	Unplanned Permanent Facility Closure	To ensure that public health and safety and the environment are protected in the event of an unplanned permanent closure, the project owner shall submit an on-site contingency plan no less than 60 days prior to commencement of commercial operation. In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail within 24 hours and shall take all necessary steps to implement the on-site contingency plan. A closure plan, consistent with the requirements for a planned closure, shall be developed and submitted to the CPM within 90 days of the permanent closure or another period of time agreed to by the CPM.	On-site Contingency Plan / Closure Plan	No less than 60 days prior to commencement of commercial operation / Within 90 days of permanent closure	TBD		Not Started	NA	CCGS	
COMPLIANCE	COMPLIANCE-14	CONS	Post-certification changes to the Decision	The project owner must petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.	Post Certification Modifications	As-Needed	As-needed		As-Needed	NA	CCGS	

## **AQCMM REPORT**

### **EXHIBIT 7**

# Oakley Generation Station

## AQ-SC5 Equipment Tracking Log

[illegible]



# Oakley Generation Station

## AQ-SC5 Equipment Tracking Log

[illegible]

# ALB, Inc.

## General Contractor

---

July 18, 2011

Oakley Generation Station  
5950 Bridgehead Road  
Oakley, CA, 94561

Subject: ALB, Inc,  
Oakley Generating Station  
Equipment Maintenance Compliance AQ-SC5

Attention: Oakley Power Constructors

Dear Mr. McKeon:

All equipment (Diesel-fueled, >50hp) have been properly maintained and are in compliance with the AQ-SC5 project requirements for June, 2011.

Sincerely,

ALB, Inc.

*Carrie Anderson*  
*for*

Robert Gonzalez  
President

# ALB, Inc.

## General Contractor

---

August 1, 2011

Oakley Generation Station  
5950 Bridgehead Road  
Oakley, CA, 94561

Subject: ALB, Inc.  
Oakley Generating Station  
Equipment Maintenance Compliance AQ-SC5

Attention: Oakley Power Constructors

Dear Mr. McKeon:

All equipment (Diesel-fueled, >50hp) have been properly maintained and are in compliance with the AQ-SC5 project requirements for July, 2011.

Sincerely,

ALB, Inc.



Robert Gonzalez  
President

<b>Risk Level 1</b> <b>Visual Inspection Field Log Sheet</b>						
Date and Time of Inspection: <u>7/5/11 10:00 AM</u>				Report Date: <u>7/5/11</u>		
Inspection Type:	<input checked="" type="checkbox"/> Weekly	<input type="checkbox"/> Before predicted rain	<input type="checkbox"/> During rain event	<input type="checkbox"/> Following qualifying rain event	<input type="checkbox"/> Contained stormwater release	<input checked="" type="checkbox"/> Quarterly non-stormwater
Site Information						
Construction Site Name: <u>Oakley Generating Station</u>						
Construction stage and completed activities: <u>Phase I SWPPP Installation</u>					Approximate area of exposed site: <u>3.2 ac</u>	
Weather and Observations						
Date Rain Predicted to Occur: <u>N/A</u>				Predicted % chance of rain: <u>0</u>		
Estimate storm beginning: <u>N/A</u> (date and time)		Estimate storm duration: _____ (hours)		Estimate time since last storm: _____ (days or hours)		Rain gauge reading: _____ (inches)
Observations: If yes identify location						
Odors Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Floating material Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <u>Typical for wetland</u>						
Suspended Material Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Sheen Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Discolorations Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Turbidity Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Site Inspections						
Outfalls or BMPs Evaluated			Deficiencies Noted			
(add additional sheets or attached detailed BMP Inspection Checklists)						
<u>Silt fence, Straw Waddles</u>			<u>All installed BMPs in working order</u>			
<u>ESA fence</u>			<u>Two posts added additional rings to secure silt fence better</u>			
Photos Taken:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Photo Reference IDs:		
Corrective Actions Identified (note if SWPPP/REAP change is needed)						
Inspector Information						
Inspector Name: <u>Karina Winje / Mark McKen</u>				Inspector Title: <u>QSP/Inspector</u>		
Signature: <u>[Signature]</u>					Date: <u>7/5/11</u>	

**STORMWATER INSPECTION FORM**  
**Quarterly BMP Inspection Checklist**

**General Information**

Inspector: Mark McKen Date: 7/5/11 Time: 10:00 AM PM  
 Project Name: Oakley Generating Station WDID: 5S07C361170  
 Site Address: 5950 Bridgehead Road Oakley, CA 94561

Type: X Non-Storm      Winterization      PreStorm      During Storm      Post-Storm  
 Weather: X Sunny      Cloudy      Rain Rain Amount:      inches

**Best Management Practices (Site Review)**

E = Effective, F = Failed/Not Appropriate, NM = Needs Maintenance, PI = Poor Installation, NI = Not Implemented, NA = Not Applicable, NE = Not Evaluated NA

**1. Run-on Management BMPs**

a) Diversion of Run-On	NA	b) Surface Roughening	NA
------------------------	----	-----------------------	----

Comments:

**2. Erosion Control BMPs**

a) Temporary Slope Stabilization	NA	Blanket	Seed	Mulch	Binder	Landscaped
b) Temporary Flat Lot Stabilization	NA	Blanket	Seed	Mulch	Binder	Landscaped
c) Permanent Slope Stabilization	NA	Blanket	Seed	Mulch	Binder	Landscaped
d) Permanent Flat Lot Stabilization	NA	Blanket	Seed	Mulch	Binder	Landscaped

Comments:

**3. Sediment Control BMPs**

a) Silt Fence	E	f) Stabilized CST Entrance	NI
b) Fiber Roll	E	g) Check Dams	NA
c) Perimeter Control	E	h) Sediment Trap	NA
d) Storm Water Inlet Protection	NA	i) Sediment Basin	NA
e) Outlet Protection	NA	j) Dust Control	E

Comments:

Added two fiber roles during rain event near wetland E for additional runoff control

**4. Post Construction BMPs**

a) Post CST Implemented	NA	
-------------------------	----	--

Comments:

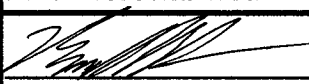
**5. Material Management BMPs, and Non-Stormwater Mangement BMPs**

a) Street Sweeping	E	g) Dewatering Operations	NA
b) Waste Collection/Litter	E	h) Vehicle and Equipment Fueling	E
c) Material Storage (asphalt, concrete, treated lumber, etc.)	NA	i) Vehicle and Equipment Maintenance	E
d) Hazardous Material Storage	NA	j) Spill Kit On Site	E
e) Stockpile Management	NA	k) Portable Toilet	E
f) Concrete Wash-Out	E	l)	

Comments:

Portable toilets have been anchored, trash can covers in place, used self contained concrete trucks with kidde pool for backup, containment pit built under generator

**Pictures: Attached**

 Inspector's Signature	<u>7/5/11</u> Date	
---	-----------------------	--



Fence Line on North Side of Property



Site Weather Station



Site Rain Gauge



Fence Line on West Side of Property



Additional Waddles Added on West Side



Water in Wetland E





Water in Wetland E



Installation of Additional Silt Fence on  
South Side Wetland E



Waddles Added Around Fire Pump Foundation

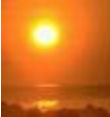










ESA Fence on North Side of Property

**NWS Forecast for: Oakley CA**

Issued by: National Weather Service San Francisco Bay Area/Monterey, CA

**Last Update:** 7:06 am PDT Jul 5, 2011

Today	Tonight	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
								
Hot	Mostly Clear	Hot	Decreasing Clouds	Sunny	Mostly Clear	Sunny	Clear	Sunny
Hi 99 °F	Lo 64 °F	Hi 97 °F	Lo 62 °F	Hi 90 °F	Lo 60 °F	Hi 88 °F	Lo 58 °F	Hi 86 °F

**Today:** Sunny and hot, with a high near 99. West northwest wind between 7 and 15 mph, with gusts as high as 20 mph.

**Tonight:** Mostly clear, with a low around 64. West northwest wind between 7 and 16 mph, with gusts as high as 21 mph.

**Wednesday:** Mostly sunny and hot, with a high near 97. West northwest wind between 5 and 11 mph.

**Wednesday Night:** Mostly cloudy, then gradually becoming mostly clear, with a low around 62. West wind between 9 and 13 mph.

**Thursday:** Sunny, with a high near 90. West wind between 7 and 9 mph.

**Thursday Night:** Mostly clear, with a low around 60.

**Friday:** Sunny, with a high near 88.

**Friday Night:** Clear, with a low around 58.

**Saturday:** Sunny, with a high near 86.

**Saturday Night:** Clear, with a low around 58.

**Sunday:** Sunny, with a high near 82.

**Sunday Night:** Clear, with a low around 57.

**Monday:** Sunny, with a high near 83.

**Point Forecast:** Oakley CA  
38°N 121.69°W (Elev. 7 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/mtr>



<b>Risk Level 1</b> <b>Visual Inspection Field Log Sheet</b>						
Date and Time of Inspection: <u>06/28/11</u>				Report Date: <u>06/29/11</u>		
Inspection Type:	<input type="checkbox"/> Weekly	<input type="checkbox"/> Before predicted rain	<input checked="" type="checkbox"/> During rain event	<input type="checkbox"/> Following qualifying rain event	<input type="checkbox"/> Contained stormwater release	<input type="checkbox"/> Quarterly non-stormwater
Site Information						
Construction Site Name: <u>Oakley Generating Station</u>						
Construction stage and completed activities: <u>Phase I SWPPP Installation</u>					Approximate area of exposed site: <u>3.12 ac</u>	
Weather and Observations						
Date Rain Predicted to Occur: <u>06/28/11</u>				Predicted % chance of rain: <u>750%</u>		
Estimate storm beginning: <u>06/29/11 11:00a.m</u> <small>(date and time)</small>		Estimate storm duration: <u>7</u> <small>(hours)</small>		Estimate time since last storm: <u>+2 wks</u> <small>(days or hours)</small>		Rain gauge reading: <u>1</u> <small>(inches)</small>
Observations: If yes identify location						
Odors Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Floating material Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <u>typical for wetland</u>						
Suspended Material Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Sheen Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Discolorations Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Turbidity Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Site Inspections						
Outfalls or BMPs Evaluated			Deficiencies Noted			
(add additional sheets or attached detailed BMP Inspection Checklists)						
<u>straw waddles</u>			<u>water flowing from access road towards wetland E. easement - additional straw waddles added to reduce flow - additional measures were successful</u>  <u>all other BMPs in working order</u>			
Photos Taken:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Photo Reference IDs:		
Corrective Actions Identified (note if SWPPP/REAP change is needed)						
<u>added straw waddles as needed for flow</u>						
Inspector Information						
Inspector Name: <u>Karina Winge</u>				Inspector Title: <u>QSP</u>		
Signature: <u>KWinge</u>					Date: <u>06/29/11</u>	




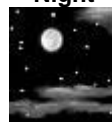
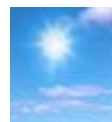

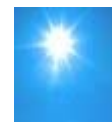

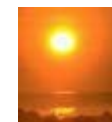


Run on From Bridgehead Road During Rain  
Event

**NWS Forecast for: Oakley CA**

Issued by: National Weather Service San Francisco Bay Area/Monterey, CA

**Last Update:** 1:18 pm PDT Jun 28, 2011

Late Afternoon	Tonight	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
								
60% Showers Likely Hi 73 °F	60% Showers Likely Lo 53 °F	20% Slight Chc Tstms Hi 72 °F	Mostly Clear Lo 54 °F	Sunny Hi 84 °F	Clear Lo 59 °F	Sunny Hi 93 °F	Clear Lo 64 °F	Hot Hi 100 °F

**Late Afternoon:** Showers likely and possibly a thunderstorm. Mostly cloudy, with a high near 73. West wind around 21 mph, with gusts as high as 28 mph. Chance of precipitation is 60%.

**Tonight:** Showers likely and possibly a thunderstorm before 11pm, then a chance of showers. Mostly cloudy, with a low around 53. West northwest wind 18 to 21 mph decreasing to between 5 and 8 mph. Winds could gust as high as 28 mph. Chance of precipitation is 60%.

**Wednesday:** A slight chance of showers, with thunderstorms also possible after 11am. Mostly cloudy, then gradually becoming sunny, with a high near 72. West northwest wind between 10 and 17 mph, with gusts as high as 22 mph. Chance of precipitation is 20%.

**Wednesday Night:** Mostly clear, with a low around 54. West wind 15 to 18 mph decreasing to between 5 and 8 mph. Winds could gust as high as 23 mph.

**Thursday:** Sunny, with a high near 84. West wind between 6 and 9 mph.

**Thursday Night:** Clear, with a low around 59.

**Friday:** Sunny, with a high near 93.

**Friday Night:** Clear, with a low around 64.

**Saturday:** Sunny and hot, with a high near 100.

**Saturday Night:** Clear, with a low around 68.

**Sunday:** Sunny and hot, with a high near 102.

**Sunday Night:** Clear, with a low around 69.

**Independence Day:** Sunny and hot, with a high near 100.

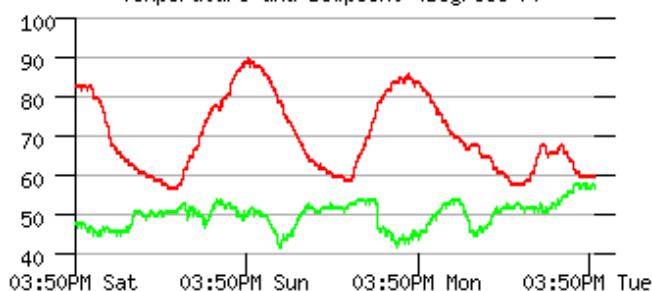
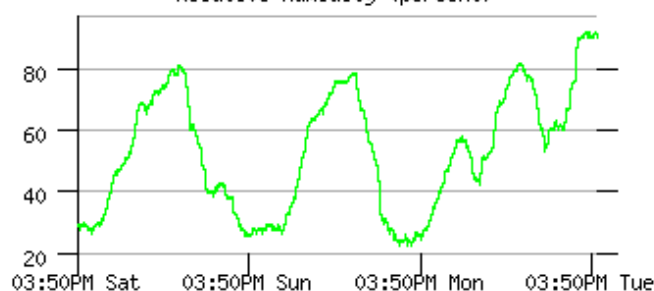
**Monday Night:** Clear, with a low around 64.

**Tuesday:** Sunny and hot, with a high near 96.

**Point Forecast:** Oakley CA

38°N 121.69°W (Elev. 7 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/mtr>

[Close window](#)[Quick 72-Hour View](#)[Show 7 Days](#)For Information Regarding the Accuracy of This Data: [MesoWest Disclaimer](#)CW3427 Antioch - APRSWXNET/CWOP  
Temperature and Dewpoint (Degrees F)CW3427 Antioch - APRSWXNET/CWOP  
Relative Humidity (percent)**Weather Conditions for:****CW3427 Antioch, CA (C3427)**

Elev: 200 ft; Latitude: 37.97959; Longitude: -121.79778

Current time: Tue, 28 Jun 4:42 pm (PDT)

Most Recent Observation: Tue, 28 Jun 4:30 pm (PDT)

Time	Temp.	Dew	Relative	Wind	Wind	Altimeter	Station	Precip	Quality
(PDT)	(f)	(f)	(%)	Direction	Speed	Setting	Pressure	24 hour Control	
					(mph)	(inches)	(inches)	(inches)	
28 Jun 4:30 pm	60	57	91	NW	6G10	29.60	29.395	0.44	OK
28 Jun 4:20 pm	60	58	92	NW	5G07	29.60	29.395	0.43	OK
28 Jun 4:10 pm	60	57	91	NNW	2G04	29.61	29.405	0.42	OK
28 Jun 4:00 pm	60	57	91	NW	5G10	29.61	29.405	0.40	OK
28 Jun 3:50 pm	60	57	91	N	1G02	29.61	29.405	0.40	OK
28 Jun 3:40 pm	60	57	91	N	2G02	29.62	29.415	0.40	OK
28 Jun 3:30 pm	60	58	92	NW	2G03	29.62	29.415	0.38	OK
28 Jun 3:20 pm	60	58	92	WNW	3G04	29.62	29.415	0.35	OK
28 Jun 3:10 pm	60	57	91	NNW	2G04	29.62	29.415	0.34	OK
28 Jun 3:00 pm	60	58	92	NW	5G07	29.62	29.415	0.32	OK
28 Jun 2:50 pm	60	57	91	NW	3G06	29.62	29.415	0.29	OK
28 Jun 2:40 pm	60	57	91	NW	3G05	29.62	29.415	0.28	OK
28 Jun 2:30 pm	60	57	91	NW	4G05	29.62	29.415	0.26	OK
28 Jun 2:20 pm	61	58	91	WNW	4G06	29.62	29.415	0.24	OK
28 Jun 2:10 pm	61	58	90	NNE	2G05	29.62	29.415	0.21	OK
28 Jun 2:00 pm	61	58	90	N	2G04	29.61	29.405	0.18	OK
28 Jun 1:50 pm	61	58	89	NNW	2G04	29.61	29.405	0.12	OK
28 Jun 1:40 pm	62	57	85	N	5G10	29.62	29.415	0.07	OK
28 Jun 1:30 pm	63	56	77	WNW	4G07	29.62	29.415	0.00	OK
28 Jun 1:20 pm	64	56	76	N	4G06	29.62	29.415	0.00	OK
28 Jun 1:10 pm	64	56	75	WNW	4G05	29.62	29.415	0.00	OK
28 Jun 1:00 pm	64	56	75	N	3G04	29.62	29.415	0.00	OK
28 Jun 12:50 pm	65	56	72	N	3G05	29.62	29.415	0.00	OK
28 Jun 12:40 pm	66	55	68	WNW	2G05	29.61	29.405	0.00	OK
28 Jun 12:30 pm	66	55	67	WNW	2G05	29.61	29.405	0.00	OK
28 Jun 12:20 pm	66	55	67	NW	2G04	29.61	29.405	0.00	OK
28 Jun 12:10 pm	67	55	65	NNW	1G05	29.62	29.415	0.00	OK
28 Jun 12:00 pm	68	54	61	NW	2G03	29.62	29.415	0.00	OK
28 Jun 11:50 am	67	53	61	NW	1G04	29.62	29.415	0.00	OK
28 Jun 11:40 am	67	53	61	NW	3G05	29.62	29.415	0.00	OK
28 Jun 11:30 am	67	54	62	NW	G03	29.62	29.415	0.00	OK
28 Jun 11:20 am	66	53	62	NW	2G04	29.62	29.415	0.00	OK
28 Jun 11:10 am	66	52	61	NNW	3G05	29.61	29.405	0.00	OK
28 Jun 11:00 am	66	53	62	NNW	2G04	29.62	29.415	0.00	OK
28 Jun 10:50 am	66	53	63	NW	2G04	29.62	29.415	0.00	OK

28 Jun 10:40 am	66	53	62	NW	4G05	29.61	29.405	0.00	OK
28 Jun 10:30 am	66	52	61	NW	4G06	29.60	29.395	0.00	OK
28 Jun 10:20 am	66	52	61	NNW	G02	29.60	29.395	0.00	OK
28 Jun 10:10 am	65	51	61	NNW	3G05	29.60	29.395	0.00	OK
28 Jun 10:00 am	65	51	61	NW	5G10	29.59	29.385	0.00	OK
28 Jun 9:50 am	66	52	60	WNW	5G07	29.59	29.385	0.00	OK
28 Jun 9:40 am	67	51	57	N	3G05	29.59	29.385	0.00	OK
28 Jun 9:30 am	68	51	55	W	3G04	29.59	29.385	0.00	OK
28 Jun 9:20 am	68	51	54	NNE	1G02	29.59	29.385	0.00	OK
28 Jun 9:10 am	68	52	56	NNE		29.59	29.385	0.00	OK
28 Jun 9:00 am	67	53	61	NNW	2G04	29.60	29.395	0.00	OK
28 Jun 8:50 am	66	52	60	N	3G04	29.60	29.395	0.00	OK
28 Jun 8:40 am	65	51	61	NNW	3G04	29.59	29.385	0.00	OK
28 Jun 8:31 am	64	52	64	NNE	2G04	29.59	29.385	0.00	OK
28 Jun 8:20 am	63	52	67	NNE	1G02	29.59	29.385	0.00	OK
28 Jun 8:10 am	62	51	68	NNE	3G05	29.59	29.385	0.00	OK
28 Jun 8:00 am	61	52	71	NNE	1G02	29.59	29.385	0.00	OK
28 Jun 7:50 am	61	52	73	NNE	3G04	29.59	29.385	0.00	OK
28 Jun 7:40 am	60	52	74	NNE	G01	29.59	29.385	0.00	OK
28 Jun 7:30 am	59	52	77	NNE	2G05	29.59	29.385	0.00	OK
28 Jun 7:20 am	59	52	77	NNE	G02	29.59	29.385	0.00	OK
28 Jun 7:10 am	59	52	78	NNE	G02	29.59	29.385	0.00	OK
28 Jun 7:00 am	59	52	78	NNE	3G05	29.59	29.385	0.00	OK
28 Jun 6:50 am	58	51	77	N	2G03	29.59	29.385	0.00	OK
28 Jun 6:40 am	58	51	77	NNE	1G02	29.59	29.385	0.00	OK
28 Jun 6:30 am	58	52	80	NNE	G01	29.59	29.385	0.00	OK
28 Jun 6:20 am	58	52	80	NNE	1G02	29.59	29.385	0.00	OK
28 Jun 6:10 am	58	52	81	NNE	G02	29.59	29.385	0.00	OK
28 Jun 6:00 am	58	53	82	NNE	1G03	29.59	29.385	0.00	OK
28 Jun 5:50 am	58	53	82	N	4G06	29.59	29.385	0.00	OK
28 Jun 5:40 am	58	53	82	NE	1G03	29.58	29.375	0.00	OK
28 Jun 5:30 am	58	52	81	NNE	G02	29.58	29.375	0.00	OK
28 Jun 5:20 am	58	52	80	N	2G04	29.58	29.375	0.00	OK
28 Jun 5:10 am	58	52	80	N	1G03	29.58	29.375	0.00	OK
28 Jun 5:00 am	58	52	80	NNW	3G04	29.58	29.375	0.00	OK
28 Jun 4:50 am	58	52	79	N	3G05	29.58	29.375	0.00	OK
28 Jun 4:40 am	59	52	78	N	2G05	29.59	29.385	0.00	OK
28 Jun 4:30 am	59	52	78	N	3G05	29.59	29.385	0.00	OK
28 Jun 4:20 am	60	53	77	N	3G05	29.59	29.385	0.00	OK
28 Jun 4:10 am	60	52	76	N	1G02	29.58	29.375	0.00	OK
28 Jun 4:00 am	60	52	74	N	G01	29.59	29.385	0.00	OK
28 Jun 3:50 am	61	52	73	N	1G03	29.59	29.385	0.00	OK
28 Jun 3:40 am	61	52	71	N	1G03	29.58	29.375	0.00	OK
28 Jun 3:30 am	61	51	70	NNE	G01	29.58	29.375	0.00	OK
28 Jun 3:20 am	61	51	69	NNE	1G04	29.58	29.375	0.00	OK
28 Jun 3:10 am	61	51	69	NNE	G01	29.59	29.385	0.00	OK
28 Jun 3:00 am	61	51	70	NNE	1G02	29.59	29.385	0.00	OK
28 Jun 2:50 am	62	52	69	NNE	1G02	29.59	29.385	0.00	OK
28 Jun 2:40 am	62	51	67	NNE	G01	29.59	29.385	0.00	OK
28 Jun 2:30 am	62	50	65	NNE	2G03	29.60	29.395	0.00	OK
28 Jun 2:20 am	63	50	62	WSW	1G02	29.60	29.395	0.00	OK
28 Jun 2:10 am	64	49	59	WSW	G01	29.60	29.395	0.00	OK
28 Jun 2:00 am	64	48	55	WNW	G02	29.60	29.395	0.00	OK
28 Jun 1:50 am	65	48	54	NW	2G04	29.60	29.395	0.00	OK
28 Jun 1:40 am	65	47	53	WNW	3G05	29.60	29.395	0.00	OK
28 Jun 1:30 am	65	47	53	NW	4G06	29.60	29.395	0.00	OK
28 Jun 1:20 am	65	47	52	WNW	3G05	29.60	29.395	0.00	OK
28 Jun 1:10 am	65	47	52	NW	3G05	29.60	29.395	0.00	OK
28 Jun 1:00 am	65	46	51	NW	4G06	29.60	29.395	0.00	OK
28 Jun 12:50 am	65	46	51	NNW	2G04	29.60	29.395	0.00	OK

28 Jun 12:40 am	65	47	52	NNW	G01	29.60	29.395	0.00	OK
28 Jun 12:30 am	66	47	51	NNW	G01	29.60	29.395	0.00	OK
28 Jun 12:20 am	67	47	49	NNW	1G03	29.60	29.395	0.00	OK
28 Jun 12:10 am	68	45	43	NW	3G05	29.60	29.395	0.00	OK
28 Jun 12:00 am	68	45	44	NW	5G10	29.60	29.395	0.00	OK
27 Jun 11:50 pm	68	45	44	WNW	5G11	29.60	29.395	0.00	OK
27 Jun 11:40 pm	68	46	45	WNW	3G05	29.60	29.395	0.00	OK
27 Jun 11:30 pm	68	45	44	WNW	5G09	29.61	29.405	0.00	OK
27 Jun 11:20 pm	68	46	45	WNW	4G07	29.61	29.405	0.00	OK
27 Jun 11:10 pm	67	46	47	W	3G07	29.61	29.405	0.00	OK
27 Jun 11:00 pm	67	48	50	NW	4G06	29.61	29.405	0.00	OK
27 Jun 10:50 pm	67	49	53	W	2G05	29.61	29.405	0.00	OK
27 Jun 10:40 pm	67	50	54	WNW	3G06	29.61	29.405	0.00	OK
27 Jun 10:30 pm	68	51	55	WNW	3G06	29.61	29.405	0.00	OK
27 Jun 10:20 pm	68	51	55	W	4G07	29.61	29.405	0.00	OK
27 Jun 10:10 pm	68	52	57	NW	3G04	29.61	29.405	0.00	OK
27 Jun 10:00 pm	69	53	57	WNW	4G07	29.60	29.395	0.00	OK
27 Jun 9:50 pm	69	53	57	WNW	6G09	29.60	29.395	0.00	OK
27 Jun 9:40 pm	69	54	58	WNW	7G10	29.60	29.395	0.00	OK
27 Jun 9:30 pm	70	54	57	WNW	5G07	29.60	29.395	0.00	OK
27 Jun 9:20 pm	70	54	57	WNW	6G09	29.60	29.395	0.00	OK
27 Jun 9:10 pm	70	54	57	WSW	8G13	29.59	29.385	0.00	OK
27 Jun 9:00 pm	70	54	57	WNW	4G05	29.59	29.385	0.00	OK
27 Jun 8:50 pm	70	53	55	W	4G11	29.59	29.385	0.00	OK
27 Jun 8:40 pm	71	54	54	WSW	7G11	29.59	29.385	0.00	OK
27 Jun 8:30 pm	71	54	54	WNW	3G04	29.59	29.385	0.00	OK
27 Jun 8:20 pm	71	53	52	W	4G09	29.59	29.385	0.00	OK
27 Jun 8:10 pm	72	53	51	NW	4G07	29.58	29.375	0.00	OK
27 Jun 8:00 pm	73	53	49	WSW	4G07	29.58	29.375	0.00	OK
27 Jun 7:50 pm	73	52	48	W	7G10	29.58	29.375	0.00	OK
27 Jun 7:40 pm	74	53	47	WNW	7G10	29.58	29.375	0.00	OK
27 Jun 7:30 pm	74	53	47	W	5G07	29.58	29.375	0.00	OK
27 Jun 7:20 pm	74	52	46	WSW	9G14	29.58	29.375	0.00	OK
27 Jun 7:10 pm	75	52	44	WNW	6G11	29.58	29.375	0.00	OK
27 Jun 7:00 pm	76	51	42	W	8G12	29.58	29.375	0.00	OK
27 Jun 6:50 pm	76	51	41	NW	9G13	29.58	29.375	0.00	OK
27 Jun 6:40 pm	77	51	40	W	9G12	29.58	29.375	0.00	OK
27 Jun 6:30 pm	76	50	40	N	8G12	29.58	29.375	0.00	OK
27 Jun 6:20 pm	77	49	38	W	10G16	29.58	29.375	0.00	OK
27 Jun 6:10 pm	78	50	37	WNW	6G08	29.57	29.365	0.00	OK
27 Jun 6:00 pm	79	50	36	W	10G14	29.57	29.365	0.00	OK
27 Jun 5:50 pm	79	49	35	NW	8G11	29.57	29.365	0.00	OK
27 Jun 5:40 pm	79	49	35	W	6G11	29.57	29.365	0.00	OK
27 Jun 5:30 pm	80	48	33	N	6G09	29.57	29.365	0.00	OK
27 Jun 5:20 pm	81	48	32	NW	8G13	29.57	29.365	0.00	OK
27 Jun 5:10 pm	81	47	30	W	8G12	29.57	29.365	0.00	OK
27 Jun 5:00 pm	81	46	29	W	12G16	29.57	29.365	0.00	OK
27 Jun 4:50 pm	82	46	28	WNW	8G12	29.57	29.365	0.00	OK
27 Jun 4:40 pm	82	46	28	W	10G17	29.57	29.365	0.00	OK
27 Jun 4:30 pm	82	46	28	W	7G13	29.57	29.365	0.00	OK
27 Jun 4:20 pm	83	46	27	W	10G16	29.57	29.365	0.00	OK
27 Jun 4:10 pm	83	45	26	NNW	7G12	29.57	29.365	0.00	OK
27 Jun 4:00 pm	84	44	25	WNW	11G14	29.57	29.365	0.00	OK
27 Jun 3:50 pm	84	45	26	NW	10G13	29.57	29.365	0.00	OK
27 Jun 3:40 pm	84	45	26	NW	7G14	29.58	29.375	0.00	OK
27 Jun 3:30 pm	83	46	27	NW	9G13	29.58	29.375	0.00	OK
27 Jun 3:20 pm	84	45	26	W	10G17	29.58	29.375	0.00	OK
27 Jun 3:10 pm	84	46	27	W	11G15	29.58	29.375	0.00	OK
27 Jun 3:00 pm	84	44	25	W	9G14	29.58	29.375	0.00	OK
27 Jun 2:50 pm	85	45	25	W	7G11	29.58	29.375	0.00	OK



<b>Risk Level 1</b> <b>Visual Inspection Field Log Sheet</b>						
Date and Time of Inspection: <u>06/29/11</u>				Report Date: <u>06/29/11</u>		
Inspection Type:	<input type="checkbox"/> Weekly	<input type="checkbox"/> Before predicted rain	<input type="checkbox"/> During rain event	<input checked="" type="checkbox"/> Following qualifying rain event	<input type="checkbox"/> Contained stormwater release	<input type="checkbox"/> Quarterly non-stormwater
Site Information						
Construction Site Name: <u>Oakley Generating Station</u>						
Construction stage and completed activities: <u>Phase I SWPPP Installation</u>					Approximate area of exposed site: <u>3.2 ac.</u>	
Weather and Observations						
Date Rain Predicted to Occur: <u>06/28/11</u>				Predicted % chance of rain:		
Estimate storm beginning: <u>06/28/11 11:00 a.m.</u> <small>(date and time)</small>		Estimate storm duration: <u>7</u> <small>(hours)</small>		Estimate time since last storm: _____ <small>(days or hours)</small>		Rain gauge reading: <u>1</u> <small>(inches)</small>
Observations: If yes identify location						
Odors		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Floating material		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Suspended Material		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <u>Typical for Wetland</u>				
Sheen		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Discolorations		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Turbidity		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Site Inspections						
Outfalls or BMPs Evaluated			Deficiencies Noted			
(add additional sheets or attached detailed BMP Inspection Checklists)						
<u>Salt Fence</u>			<u>All <del>unstacked</del> BMPs</u>			
<u>Shrub Waddle</u>			<u>in waiting order</u>			
<u>ESA Fence</u>						
Photos Taken:		Yes <input type="checkbox"/> No <input type="checkbox"/>		Photo Reference IDs:		
Corrective Actions Identified (note if SWPPP/REAP change is needed)						
<u>None</u>						
Inspector Information						
Inspector Name: <u>Kanna Winje</u>				Inspector Title: <u>ESP</u>		
Signature: <u>Kanna Winje</u>					Date: <u>06/29/11</u>	



Rain Gauge = 1"



Additional Waddles Added to Prevent Runoff at NE Corner of Wetland E



Additional Waddles Added to Prevent Runoff at NE Corner of Wetland E



Silt Fence Installation Along North Fence Line



Fiber Roll Installation North Fence Line



Completed Fiber Roll and Silt Fence





ESA Fencing Near Future Laydown Yard



ESA Fencing Along Future Laydown Yard



Silt Fence Along South Side Wetland E












Silt Fence Along East Side Wetland E

**NWS Forecast for: Oakley CA**

Issued by: National Weather Service San Francisco Bay Area/Monterey, CA

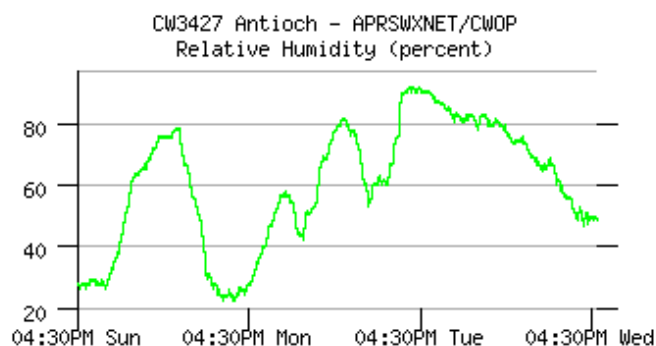
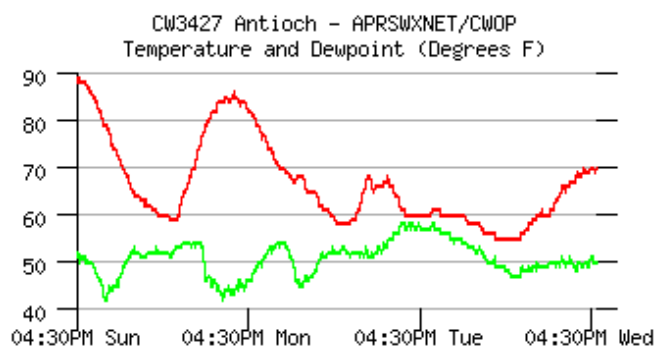
**Last Update:** 2:46 pm PDT Jun 29, 2011

Tonight	Thursday	Thursday Night	Friday	Friday Night	Saturday	Saturday Night	Sunday	Sunday Night
								
Mostly Clear	Sunny	Clear	Sunny	Clear	Sunny	Clear	Hot	Clear
Lo 55 °F	Hi 83 °F	Lo 60 °F	Hi 91 °F	Lo 62 °F	Hi 95 °F	Lo 64 °F	Hi 98 °F	Lo 67 °F

**Hazardous Weather Outlook****Tonight:** Mostly clear, with a low around 55. West wind between 5 and 13 mph.**Thursday:** Sunny, with a high near 83. West wind between 7 and 10 mph.**Thursday Night:** Clear, with a low around 60. West wind between 6 and 11 mph.**Friday:** Sunny, with a high near 91. West wind around 8 mph.**Friday Night:** Clear, with a low around 62. West wind around 8 mph.**Saturday:** Sunny, with a high near 95.**Saturday Night:** Clear, with a low around 64.**Sunday:** Sunny and hot, with a high near 98.**Sunday Night:** Clear, with a low around 67.**Independence Day:** Sunny and hot, with a high near 101.**Monday Night:** Clear, with a low around 68.**Tuesday:** Sunny and hot, with a high near 99.**Tuesday Night:** Clear, with a low around 62.**Wednesday:** Sunny and hot, with a high near 97.**Point Forecast:** Oakley CA

38°N 121.69°W (Elev. 7 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/mtr>

[Close window](#)[Quick 72-Hour View](#)[Show 7 Days](#)For Information Regarding the Accuracy of This Data: [MesoWest Disclaimer](#)**Weather Conditions for:****CW3427 Antioch, CA (C3427)**

Elev: 200 ft; Latitude: 37.97959; Longitude: -121.79778

Current time: Wed, 29 Jun 5:24 pm (PDT)

Most Recent Observation: Wed, 29 Jun 5:10 pm (PDT)

Time	Temp.	Dew	Relative	Wind	Wind	Altimeter	Station	Precip	Quality
(PDT)	(f)	(f)	(%)	Direction	Speed	Setting	Pressure	24 hour Control	
					(mph)	(inches)	(inches)	(inches)	
29 Jun 5:10 pm	70	50	49	WSW	3G04	29.78	29.574	0.00	OK
29 Jun 5:00 pm	69	50	50	W	6G10	29.78	29.574	0.01	OK
29 Jun 4:50 pm	70	50	49	W	8G12	29.78	29.574	0.01	OK
29 Jun 4:40 pm	70	51	50	WSW	6G09	29.78	29.574	0.01	OK
29 Jun 4:30 pm	70	51	50	NW	4G09	29.78	29.574	0.02	OK
29 Jun 4:20 pm	69	50	50	WNW	5G08	29.78	29.574	0.04	OK
29 Jun 4:10 pm	69	49	49	NW	8G11	29.79	29.584	0.04	OK
29 Jun 4:00 pm	69	50	51	NNW	7G13	29.79	29.584	0.05	OK
29 Jun 3:50 pm	69	49	48	NW	6G11	29.79	29.584	0.06	OK
29 Jun 3:40 pm	69	50	51	W	8G13	29.79	29.584	0.09	OK
29 Jun 3:30 pm	70	49	47	WNW	7G13	29.79	29.584	0.12	OK
29 Jun 3:20 pm	69	49	48	NW	5G07	29.79	29.584	0.13	OK
29 Jun 3:10 pm	68	49	50	NW	7G12	29.79	29.584	0.13	OK
29 Jun 3:00 pm	68	49	51	NW	8G12	29.79	29.584	0.15	OK
29 Jun 2:50 pm	68	50	53	W	7G11	29.79	29.584	0.16	OK
29 Jun 2:40 pm	69	50	50	NNW	3G05	29.79	29.584	0.16	OK
29 Jun 2:30 pm	68	48	49	NW	3G05	29.79	29.584	0.18	OK
29 Jun 2:20 pm	68	49	50	W	8G10	29.79	29.584	0.20	OK
29 Jun 2:10 pm	67	48	51	W	9G13	29.79	29.584	0.21	OK
29 Jun 2:00 pm	67	49	52	WNW	4G06	29.79	29.584	0.23	OK
29 Jun 1:50 pm	67	50	54	W	6G11	29.79	29.584	0.26	OK
29 Jun 1:40 pm	67	50	55	W	8G12	29.80	29.594	0.28	OK
29 Jun 1:30 pm	67	51	56	N	7G14	29.80	29.594	0.30	OK
29 Jun 1:20 pm	66	50	56	NW	5G09	29.80	29.594	0.32	OK
29 Jun 1:10 pm	66	50	56	W	6G09	29.78	29.574	0.34	OK
29 Jun 1:00 pm	66	50	56	NW	6G10	29.78	29.574	0.37	OK
29 Jun 12:50 pm	65	49	57	W	4G06	29.78	29.574	0.42	OK
29 Jun 12:40 pm	66	50	57	W	7G10	29.78	29.574	0.48	OK
29 Jun 12:30 pm	66	51	58	WNW	10G13	29.78	29.574	0.56	OK
29 Jun 12:20 pm	65	51	60	W	8G13	29.78	29.574	0.56	OK
29 Jun 12:10 pm	64	49	59	NW	4G07	29.79	29.584	0.56	OK
29 Jun 12:00 pm	64	50	61	WNW	5G10	29.80	29.594	0.56	OK
29 Jun 11:50 am	63	50	62	W	7G12	29.80	29.594	0.56	OK
29 Jun 11:40 am	63	49	61	NW	3G06	29.80	29.594	0.56	OK
29 Jun 11:30 am	63	50	63	NW	7G13	29.80	29.594	0.56	OK

29 Jun 11:20 am	62	50	65	W	3G05	29.80	29.594	0.56	OK
29 Jun 11:10 am	61	50	66	W	8G11	29.79	29.584	0.56	OK
29 Jun 11:00 am	61	50	67	W	7G11	29.78	29.574	0.56	OK
29 Jun 10:50 am	61	50	67	W	6G10	29.78	29.574	0.56	OK
29 Jun 10:40 am	60	50	69	WNW	6G10	29.78	29.574	0.56	OK
29 Jun 10:30 am	60	49	68	W	7G11	29.78	29.574	0.56	OK
29 Jun 10:20 am	60	49	67	N	6G09	29.78	29.574	0.56	OK
29 Jun 10:10 am	60	49	66	W	4G09	29.76	29.554	0.56	OK
29 Jun 10:00 am	60	49	66	WNW	4G06	29.76	29.554	0.56	OK
29 Jun 9:50 am	60	49	67	WNW	6G11	29.76	29.554	0.56	OK
29 Jun 9:40 am	60	49	66	W	6G09	29.76	29.554	0.56	OK
29 Jun 9:30 am	61	49	65	NW	8G14	29.76	29.554	0.56	OK
29 Jun 9:20 am	60	49	66	W	5G07	29.76	29.554	0.56	OK
29 Jun 9:10 am	60	49	67	W	5G11	29.75	29.544	0.56	OK
29 Jun 9:00 am	60	49	67	NW	6G10	29.75	29.544	0.56	OK
29 Jun 8:50 am	60	50	69	W	9G13	29.75	29.544	0.56	OK
29 Jun 8:40 am	59	48	67	NW	7G09	29.74	29.534	0.56	OK
29 Jun 8:30 am	59	49	69	W	7G10	29.73	29.524	0.56	OK
29 Jun 8:20 am	59	49	70	NW	5G08	29.73	29.524	0.56	OK
29 Jun 8:10 am	58	48	70	NW	4G09	29.73	29.524	0.56	OK
29 Jun 8:00 am	58	48	70	WNW	6G10	29.72	29.514	0.56	OK
29 Jun 7:50 am	58	49	71	WNW	4G06	29.72	29.514	0.56	OK
29 Jun 7:40 am	57	48	71	WNW	6G08	29.71	29.504	0.56	OK
29 Jun 7:30 am	57	48	72	WNW	5G08	29.71	29.504	0.56	OK
29 Jun 7:20 am	57	48	73	W	5G07	29.71	29.504	0.56	OK
29 Jun 7:10 am	56	48	74	W	4G05	29.70	29.494	0.56	OK
29 Jun 7:00 am	56	48	74	W	6G10	29.69	29.485	0.56	OK
29 Jun 6:50 am	56	49	76	W	3G04	29.69	29.485	0.56	OK
29 Jun 6:40 am	56	48	75	W	3G06	29.69	29.485	0.56	OK
29 Jun 6:30 am	55	47	75	WNW	5G07	29.70	29.494	0.56	OK
29 Jun 6:20 am	55	47	75	W	5G09	29.70	29.494	0.56	OK
29 Jun 6:10 am	55	47	75	WNW	6G10	29.69	29.485	0.56	OK
29 Jun 6:00 am	55	47	75	WNW	5G07	29.68	29.475	0.56	OK
29 Jun 5:50 am	55	47	74	N	4G06	29.68	29.475	0.56	OK
29 Jun 5:40 am	55	47	75	W	2G03	29.68	29.475	0.56	OK
29 Jun 5:30 am	55	47	74	WNW	5G06	29.67	29.465	0.56	OK
29 Jun 5:21 am	55	47	75	W	5G07	29.67	29.465	0.56	OK
29 Jun 5:10 am	55	47	75	W	4G06	29.66	29.455	0.56	OK
29 Jun 5:00 am	55	48	77	W	2G05	29.65	29.445	0.56	OK
29 Jun 4:40 am	55	48	77	W	6G10	29.65	29.445	0.56	OK
29 Jun 4:30 am	55	48	78	WNW	3G05	29.65	29.445	0.56	OK
29 Jun 4:20 am	55	49	80	WNW	4G06	29.65	29.445	0.56	OK
29 Jun 4:10 am	55	49	79	W	3G06	29.64	29.435	0.56	OK
29 Jun 4:00 am	55	49	80	NW	5G08	29.64	29.435	0.56	OK
29 Jun 3:50 am	55	49	80	WNW	5G07	29.64	29.435	0.56	OK
29 Jun 3:40 am	55	49	80	WSW	8G12	29.64	29.435	0.56	OK
29 Jun 3:30 am	55	49	80	NNW	7G10	29.64	29.435	0.56	OK
29 Jun 3:20 am	55	49	81	NNW	7G09	29.64	29.435	0.56	OK
29 Jun 3:10 am	55	49	81	WNW	6G09	29.64	29.435	0.56	OK
29 Jun 3:00 am	56	51	82	NW	4G05	29.64	29.435	0.56	OK
29 Jun 2:41 am	56	50	80	WNW	4G05	29.64	29.435	0.56	OK
29 Jun 2:30 am	56	50	80	W	4G06	29.64	29.435	0.56	OK
29 Jun 2:20 am	56	50	80	WNW	3G07	29.64	29.435	0.56	OK
29 Jun 2:10 am	56	50	81	WNW	2G03	29.63	29.425	0.56	OK
29 Jun 2:00 am	56	50	80	WNW	3G04	29.63	29.425	0.56	OK
29 Jun 1:50 am	56	50	81	WNW	3G04	29.63	29.425	0.56	OK
29 Jun 1:40 am	56	51	83	NW	4G07	29.63	29.425	0.56	OK
29 Jun 1:30 am	56	51	83	WNW	3G05	29.64	29.435	0.56	OK
29 Jun 1:20 am	57	52	83	W	5G09	29.64	29.435	0.56	OK
29 Jun 1:10 am	57	52	83	WNW	3G05	29.63	29.425	0.56	OK



	57	52	83	NW	3G07	29.63	29.425	1.12	OK
29 Jun 12:50 am	58	53	82	WNW	7G11	29.63	29.425	1.12	OK
29 Jun 12:40 am	58	52	79	NW	4G07	29.62	29.415	1.12	OK
29 Jun 12:30 am	58	52	80	W		29.62	29.415	1.12	OK
29 Jun 12:20 am	58	52	80	WNW	2G04	29.62	29.415	1.12	OK
29 Jun 12:10 am	58	52	81	NW	3G04	29.62	29.415	1.12	OK
29 Jun 12:00 am	58	53	82	WNW	4G10	29.62	29.415	0.56	OK
28 Jun 11:50 pm	58	53	83	W	G02	29.62	29.415	0.56	OK
28 Jun 11:40 pm	58	53	83	NW	1G03	29.62	29.415	0.56	OK
28 Jun 11:30 pm	58	53	83	W	2G03	29.62	29.415	0.56	OK
28 Jun 11:20 pm	58	53	83	W	3G06	29.62	29.415	0.56	OK
28 Jun 11:10 pm	58	53	82	W	6G09	29.62	29.415	0.56	OK
28 Jun 11:00 pm	59	54	82	WNW	5G10	29.62	29.415	0.56	OK
28 Jun 10:50 pm	59	54	83	WNW	4G07	29.62	29.415	0.56	OK
28 Jun 10:40 pm	60	54	81	NW	3G05	29.61	29.405	0.56	OK
28 Jun 10:30 pm	60	54	81	WNW	5G06	29.61	29.405	0.56	OK
28 Jun 10:20 pm	60	55	82	W	1G03	29.61	29.405	0.56	OK
28 Jun 10:10 pm	60	55	82	W	1G02	29.61	29.405	0.56	OK
28 Jun 10:00 pm	60	55	82	WNW	2G04	29.61	29.405	0.56	OK
28 Jun 9:50 pm	60	55	83	WNW	2G04	29.61	29.405	0.56	OK
28 Jun 9:40 pm	60	55	84	N	G01	29.60	29.395	0.56	OK
28 Jun 9:30 pm	60	55	83	WSW	2G03	29.60	29.395	0.56	OK
28 Jun 9:20 pm	60	55	83	WNW	4G05	29.60	29.395	0.56	OK
28 Jun 9:10 pm	60	54	81	WNW	3G06	29.60	29.395	0.56	OK
28 Jun 9:00 pm	60	55	83	WNW	G01	29.59	29.385	0.56	OK
28 Jun 8:50 pm	60	55	84	WNW	1G02	29.59	29.385	0.56	OK
28 Jun 8:40 pm	60	56	85	WNW		29.60	29.395	0.56	OK
28 Jun 8:30 pm	60	56	86	WNW		29.59	29.385	0.56	OK
28 Jun 8:20 pm	60	56	85	WNW	G03	29.59	29.385	0.56	OK
28 Jun 8:10 pm	60	56	85	WNW	1G03	29.60	29.395	0.56	OK
28 Jun 8:00 pm	60	56	86	NW	2G04	29.60	29.395	0.56	OK
28 Jun 7:50 pm	60	56	86	WNW	5G07	29.60	29.395	0.56	OK
28 Jun 7:40 pm	60	56	87	NW	4G06	29.60	29.395	0.56	OK
28 Jun 7:30 pm	60	56	87	WNW	3G07	29.59	29.385	0.56	OK
28 Jun 7:20 pm	61	57	87	NW	3G05	29.59	29.385	0.56	OK
28 Jun 7:10 pm	61	57	88	WNW	3G06	29.60	29.395	0.56	OK
28 Jun 7:00 pm	61	57	88	NW	3G05	29.59	29.385	0.56	OK
28 Jun 6:50 pm	61	57	88	N	2G05	29.59	29.385	0.56	OK
28 Jun 6:40 pm	61	57	88	NW	1G03	29.59	29.385	0.56	OK
28 Jun 6:30 pm	61	58	89	W	1G04	29.59	29.385	0.56	OK
28 Jun 6:20 pm	61	58	89	NNW	3G04	29.59	29.385	0.56	OK
28 Jun 6:10 pm	61	58	89	NW	2G04	29.59	29.385	0.56	OK
28 Jun 6:00 pm	60	57	90	NW	1G02	29.59	29.385	0.55	OK
28 Jun 5:50 pm	60	57	91	NW	1G03	29.59	29.385	0.55	OK
28 Jun 5:40 pm	60	57	91	NNW	3G05	29.59	29.385	0.55	OK
28 Jun 5:30 pm	60	57	91	N	4G07	29.60	29.395	0.54	OK
28 Jun 5:20 pm	60	57	91	NW	1G03	29.60	29.395	0.52	OK
28 Jun 5:10 pm	60	57	91	NW	4G07	29.60	29.395	0.52	OK
28 Jun 5:00 pm	60	57	91	WNW	4G07	29.61	29.405	0.51	OK
28 Jun 4:50 pm	60	57	91	NW	3G07	29.61	29.405	0.49	OK
28 Jun 4:40 pm	60	57	91	NW	3G05	29.60	29.395	0.45	OK
28 Jun 4:30 pm	60	57	91	NW	6G10	29.60	29.395	0.44	OK
28 Jun 4:20 pm	60	58	92	NW	5G07	29.60	29.395	0.43	OK
28 Jun 4:10 pm	60	57	91	NNW	2G04	29.61	29.405	0.42	OK
28 Jun 4:00 pm	60	57	91	NW	5G10	29.61	29.405	0.40	OK
28 Jun 3:50 pm	60	57	91	N	1G02	29.61	29.405	0.40	OK
28 Jun 3:40 pm	60	57	91	N	2G02	29.62	29.415	0.40	OK
28 Jun 3:30 pm	60	58	92	NW	2G03	29.62	29.415	0.38	OK
28 Jun 3:20 pm	60	58	92	WNW	3G04	29.62	29.415	0.35	OK
28 Jun 3:10 pm	60	57	91	NNW	2G04	29.62	29.415	0.34	OK

<b>Risk Level 1</b> <b>Visual Inspection Field Log Sheet</b>						
Date and Time of Inspection: <u>7/11/11</u> <u>3:00 PM</u>				Report Date: <u>7/11/11</u>		
Inspection Type:	<input checked="" type="checkbox"/> Weekly	<input type="checkbox"/> Before predicted rain	<input type="checkbox"/> During rain event	<input type="checkbox"/> Following qualifying rain event	<input type="checkbox"/> Contained stormwater release	<input type="checkbox"/> Quarterly non-stormwater
<b>Site Information</b>						
Construction Site Name: <u>Oakley Generating Station Project</u>						
Construction stage and completed activities: <u>Phase II of SWPPP/Perimeter fence</u>					Approximate area of exposed site: <u>3.2 ac</u>	
<b>Weather and Observations</b>						
Date Rain Predicted to Occur: <u>N/A</u>				Predicted % chance of rain: <u>0</u>		
Estimate storm beginning: <u>N/A</u> (date and time)		Estimate storm duration: <u>N/A</u> (hours)		Estimate time since last storm: _____ (days or hours)		Rain gauge reading: _____ (inches)
Observations: If yes identify location						
Odors		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		<u>Typical Wetland</u>		
Floating material		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Suspended Material		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Sheen		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Discolorations		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Turbidity		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
<b>Site Inspections</b>						
<b>Outfalls or BMPs Evaluated</b>			<b>Deficiencies Noted</b>			
(add additional sheets or attached detailed BMP Inspection Checklists)						
Dust control / track-out control <u>ESA Fencing / Silt fence</u>			<u>All BMPs in working order. Spill Kits on site and containment under generator.</u>			
<del>De-watering / concrete washout</del>						
Photos Taken:			Photo Reference IDs:			
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
<b>Corrective Actions Identified (note if SWPPP/REAP change is needed)</b>						
<b>Inspector Information</b>						
Inspector Name: <u>Mark McKen</u>				Inspector Title: <u>Inspector</u>		
Signature: <u>[Signature]</u>					Date: <u>7/11/11</u>	



Fence Line on North Side of Property



Fence Line on West Side of Property



Wetland E



Additional Fiber Role and Silt Fence on  
South Side of Wetland E



Additional Fiber Role and Silt Fence on South  
Side of Wetland E



Fire Pump Foundation with Fiber Roles on  
Slope





Removal of West Side Fence for Relocation



South Fence to be Moved Towards Tracks



Fence Installation Along BNSF Tracks



Future Laydown Yard



ESA Fence on North Side of Property



ESA Fence on North Side of Property





ESA Fence on North Side of Property



Covered Trash Dumpster



Containment and Spill Kit For Generator












Trash Receptacle With Lid and Label

**NWS Forecast for: Oakley CA**

Issued by: National Weather Service San Francisco Bay Area/Monterey, CA

**Last Update:** 2:12 pm PDT Jul 11, 2011

Tonight	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night
								
Clear	Sunny	Breezy	Sunny	Mostly Clear	Sunny	Mostly Clear	Sunny	Mostly Clear
Lo 54 °F	Hi 77 °F	Lo 57 °F	Hi 74 °F	Lo 54 °F	Hi 72 °F	Lo 54 °F	Hi 75 °F	Lo 57 °F

**Tonight:** Clear, with a low around 54. West wind between 17 and 20 mph becoming calm. Winds could gust as high as 25 mph.

**Tuesday:** Sunny, with a high near 77. Calm wind becoming west southwest between 18 and 21 mph. Winds could gust as high as 26 mph.

**Tuesday Night:** Clear, with a low around 57. Breezy, with a west southwest wind between 14 and 23 mph, with gusts as high as 30 mph.

**Wednesday:** Sunny, with a high near 74. West southwest wind between 13 and 20 mph, with gusts as high as 25 mph.

**Wednesday Night:** Mostly clear, with a low around 54. West southwest wind between 14 and 18 mph, with gusts as high as 24 mph.

**Thursday:** Sunny, with a high near 72.

**Thursday Night:** Mostly clear, with a low around 54.

**Friday:** Sunny, with a high near 75.

**Friday Night:** Mostly clear, with a low around 57.

**Saturday:** Sunny, with a high near 80.

**Saturday Night:** Clear, with a low around 58.

**Sunday:** Sunny, with a high near 86.

**Sunday Night:** Clear, with a low around 60.

**Monday:** Sunny, with a high near 91.

**Point Forecast:** Oakley CA  
38°N 121.69°W (Elev. 7 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/mtr>

<b>Risk Level 1</b> <b>Visual Inspection Field Log Sheet</b>						
Date and Time of Inspection: <u>7/18/11</u> <u>10:00 AM</u>				Report Date: <u>7/18/11</u>		
Inspection Type:	<input checked="" type="checkbox"/> Weekly	<input type="checkbox"/> Before predicted rain	<input type="checkbox"/> During rain event	<input type="checkbox"/> Following qualifying rain event	<input type="checkbox"/> Contained stormwater release	<input type="checkbox"/> Quarterly non-stormwater
Site Information						
Construction Site Name: <u>Oakley Generating Station Project</u>						
Construction stage and completed activities: <u>Phase II of SWPPP/Perimeter fence</u>					Approximate area of exposed site: <u>3 ac</u>	
Weather and Observations						
Date Rain Predicted to Occur: <u>N/A</u>				Predicted % chance of rain: <u>N/A</u>		
Estimate storm beginning: <u>N/A</u> (date and time)		Estimate storm duration: _____ (hours)		Estimate time since last storm: _____ (days or hours)		Rain gauge reading: _____ (inches)
Observations: If yes identify location						
Odors		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Floating material		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Suspended Material		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <u>Typical wetland observation</u>				
Sheen		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Discolorations		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Turbidity		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Site Inspections						
Outfalls or BMPs Evaluated			Deficiencies Noted			
(add additional sheets or attached detailed BMP Inspection Checklists)						
Dust control / track-out control			<u>Dust Control in progress and BMP's are working</u>			
De-watering / concrete washout			<u>properly</u>			
Photos Taken:			Photo Reference IDs:			
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
Corrective Actions Identified (note if SWPPP/REAP change is needed)						
<u>N/A</u>						
Inspector Information						
Inspector Name: <u>Mark McKen</u>				Inspector Title: <u>Inspector</u>		
Signature: <u>[Signature]</u>					Date: <u>7/18/11</u>	





Containment and Spill Kit for Generator



Trash Cans with Lids



ESA Fence on North Side of HRSG



ESA Fence on North Side of Power Block



Fence Relocation Along BNSF Tracks



Temporary Fence Placed Along BNSF Tracks



Dust Control in Progress



West Road Sprayed for Dust Control



Fire Pump Foundation Area



On Site Weather Center



West Side of Property BMPs












Wetland E Water Level



**NWS Forecast for: Oakley CA**

Issued by: National Weather Service San Francisco Bay Area/Monterey, CA

**Last Update:** 5:50 am PDT Jul 18, 2011

Today	Tonight	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday
								
Sunny	Mostly Clear	Sunny	Clear	Sunny	Clear	Sunny	Clear	Sunny
Hi 83 °F	Lo 59 °F	Hi 83 °F	Lo 57 °F	Hi 87 °F	Lo 58 °F	Hi 89 °F	Lo 59 °F	Hi 87 °F

**Today:** Sunny, with a high near 83. West wind between 8 and 13 mph.**Tonight:** Mostly clear, with a low around 59. West wind between 10 and 18 mph, with gusts as high as 24 mph.**Tuesday:** Sunny, with a high near 83. West wind between 10 and 13 mph.**Tuesday Night:** Clear, with a low around 57. West wind between 7 and 14 mph.**Wednesday:** Sunny, with a high near 87. West northwest wind around 8 mph.**Wednesday Night:** Clear, with a low around 58.**Thursday:** Sunny, with a high near 89.**Thursday Night:** Clear, with a low around 59.**Friday:** Sunny, with a high near 87.**Friday Night:** Clear, with a low around 59.**Saturday:** Sunny, with a high near 88.**Saturday Night:** Clear, with a low around 60.**Sunday:** Sunny, with a high near 94.**Point Forecast:** Oakley CA

38°N 121.69°W (Elev. 7 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/mtr>

<b>Risk Level 1</b> <b>Visual Inspection Field Log Sheet</b>						
Date and Time of Inspection: <i>7/25/11 1:00 PM</i>				Report Date: <i>7/25/11</i>		
Inspection Type:	<input checked="" type="checkbox"/> Weekly	<input type="checkbox"/> Before predicted rain	<input type="checkbox"/> During rain event	<input type="checkbox"/> Following qualifying rain event	<input type="checkbox"/> Contained stormwater release	<input type="checkbox"/> Quarterly non-stormwater
Site Information						
Construction Site Name: <b>Oakley Generating Station Project</b>						
Construction stage and completed activities: <i>Phase II SWPPP Installation/Wetland D+F</i>				Approximate area of exposed site: <i>5ac</i>		
Weather and Observations						
Date Rain Predicted to Occur: <i>N/A</i>				Predicted % chance of rain: <i>N/A</i>		
Estimate storm beginning: <i>N/A</i> (date and time)		Estimate storm duration: _____ (hours)		Estimate time since last storm: _____ (days or hours)		Rain gauge reading: _____ (inches)
Observations: If yes identify location						
Odors	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>				
Floating material	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>				
Suspended Material	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> <i>Typical for Wetlands</i>				
Sheen	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>				
Discolorations	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>				
Turbidity	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>				
Site Inspections						
Outfalls or BMPs Evaluated			Deficiencies Noted			
(add additional sheets or attached detailed BMP Inspection Checklists)						
Dust control / track-out control			<i>Water truck in use, roadways swept as needed</i>			
De-watering / concrete washout			<i>All BMPs working properly</i>			
Photos Taken:			Photo Reference IDs:			
Yes <input checked="" type="checkbox"/>			No <input type="checkbox"/>			
Corrective Actions Identified (note if SWPPP/REAP change is needed)						
<i>N/A</i>						
Inspector Information						
Inspector Name: <i>Mark McKeon</i>				Inspector Title: <i>Inspector</i>		
Signature: <i>[Signature]</i>				Date: <i>7/25/11</i>		



DuPont Entrance Road



West End of Property, Wetland E



Water in Wetland E



BMP's on Southside of Wetland E



Water Truck in use by ALB



Covered Trash Dumpster/ESA Fencing





Wetland F Prior to BMP Installation



Wetland F Prior to BMP Installation



Wetland D Prior to BMP Installation



Water Storage for Dust Control



ESA Fence Along Future Lay down Yard












Viewing West Over Construction Area

**NWS Forecast for: Oakley CA**

Issued by: National Weather Service San Francisco Bay Area/Monterey, CA

**Last Update:** 3:12 am PDT Jul 25, 2011

Today	Tonight	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday
								
Sunny	Clear	Sunny	Clear	Sunny	Clear	Sunny	Mostly Clear	Sunny
Hi 85 °F	Lo 56 °F	Hi 82 °F	Lo 57 °F	Hi 89 °F	Lo 59 °F	Hi 93 °F	Lo 61 °F	Hi 94 °F

**Today:** Sunny, with a high near 85. West wind between 10 and 16 mph, with gusts as high as 21 mph.

**Tonight:** Clear, with a low around 56. West wind between 14 and 17 mph becoming light. Winds could gust as high as 21 mph.

**Tuesday:** Sunny, with a high near 82. Light wind becoming west southwest between 11 and 14 mph.

**Tuesday Night:** Clear, with a low around 57. West southwest wind between 9 and 15 mph, with gusts as high as 18 mph.

**Wednesday:** Sunny, with a high near 89. West wind between 6 and 8 mph.

**Wednesday Night:** Clear, with a low around 59.

**Thursday:** Sunny, with a high near 93.

**Thursday Night:** Mostly clear, with a low around 61.

**Friday:** Sunny, with a high near 94.

**Friday Night:** Mostly clear, with a low around 61.

**Saturday:** Sunny, with a high near 92.

**Saturday Night:** Mostly clear, with a low around 61.

**Sunday:** Sunny, with a high near 91.

**Point Forecast:** Oakley CA  
38°N 121.69°W (Elev. 7 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/mtr>

# Oakley Generating Station

## On-site Weather Data

Date	Time	Temp (f)	Dew Point	Humidity %	Wind Speed (mph)		Pressure
					Min	Max (Gust)	
18-Jul-11	12:00 AM	60.1	49.1	67	2.9	4.6	29.67
	3:00 AM	61.2	48.1	62	4.9	6.9	29.66
	6:00 AM	60.5	46.1	59	4.2	5.3	29.68
	9:00 AM	71.8	51.6	49	5.3	9.6	29.71
	12:00 PM	79.0	57.6	48	6.7	8.5	29.71
	3:00 PM	83.5	58.6	43	12.7	14.7	29.68
	6:00 PM	79.9	56.5	45	7.8	8.7	29.66
	9:00 PM	67.7	56.7	68	5.8	7.3	29.71
19-Jul-11	12:00 AM	64.1	56.7	77	2.0	4.4	29.75
	3:00 AM	62.3	55.6	79	4.4	6.7	29.75
	6:00 AM	61.2	55.6	82	2.9	4.9	29.75
	9:00 AM	69.7	57.3	65	9.1	10.7	29.79
	12:00 PM	83.7	58.1	42	2.6	6.2	29.78
	3:00 PM	88.4	54.6	32	4.9	8.7	29.74
	6:00 PM	88.0	57.5	36	7.1	8.0	29.69
	9:00 PM	74.7	58.4	57	5.1	8.2	29.68
20-Jul-11	12:00 AM	72.9	55.6	55	3.3	5.1	29.69
	3:00 AM	67.9	58.9	73	4.4	6.7	29.68
	6:00 AM	63.9	57.9	81	0.2	2.2	29.68
	9:00 AM	80.3	61.0	52	3.5	3.8	29.72
	12:00 PM	91.3	60.4	36	1.3	4.2	29.70
	3:00 PM	97.2	56.2	26	4.2	7.1	29.66
	6:00 PM	93.1	57.9	31	7.8	11.4	29.62
	9:00 PM	78.1	58.0	50	2.4	4.2	29.61
21-Jul-11	12:00 AM	69.5	55.9	62	2.0	2.6	29.62
	3:00 AM	64.8	56.6	75	0.8	2.4	29.60
	6:00 AM	61.6	56.0	82	4.6	7.1	29.61
	9:00 AM	73.1	59.7	63	4.9	6.7	29.64
	12:00 PM	84.1	61.7	47	3.1	4.6	29.62
	3:00 PM	94.0	57.9	30	5.1	5.3	29.56
	6:00 PM	88.2	61.6	41	9.6	12.0	29.53
	9:00 PM	75.6	58.8	56	3.5	3.5	29.52
22-Jul-11	12:00 AM	67.3	57.6	71	4.4	5.8	29.53
	3:00 AM	62.5	56.2	80	4.4	5.8	29.54
	6:00 AM	60.8	56.0	84	7.6	10.0	29.56
	9:00 AM	70.6	57.7	64	7.1	9.1	29.58
	12:00 PM	80.6	60.8	51	9.6	12.0	29.58
	3:00 PM	88.2	62.2	42	9.6	12.5	29.54
	6:00 PM	86.8	61.6	43	10.2	12.7	29.51
	9:00 PM	76.3	54.5	47	2.4	4.2	29.53

**BIOLOGICAL/CULTURAL/GEOLOGICAL & PALEONTOLOGICAL  
REPORTS**

**EXHIBIT 8**

**Biological Resources**  
**Mitigation Monitoring for the**  
**Oakley Generating Station Project**

**MONTHLY COMPLIANCE REPORT (BIO-2)**

**July 2011**

**Prepared by:**

**CH2M HILL**

**2485 Natomas Park Drive, Suite 600**

**Sacramento, California 95833**

**Oakley Generating Station**  
**MONTHLY COMPLIANCE REPORT**

**July 2011**

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- A) Cumulative Wildlife Species Observed in or Near the Project Area**
- B) Site Photos**
- C) Wildlife Observation Forms**

# INTRODUCTION

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The Oakley Generating Station (OGS) project will be a combined-cycle, natural-gas-fired power plant owned by Contra Costa Generating Station LLC (CCGS LLC). The project site is located in Oakley, California (eastern Contra Costa County) at 5950 Bridgehead Road in the northwestern quarter of Section 22, Township 2 North, Range 2 East, Mount Diablo Base Meridian (Figure 1).

The project site consists of 21.95 acres of which 13.9-acres were in agricultural production as a vineyard, 1.6-acres are the conservation easement for Wetland E, 3.0 acres are ruderal cover, 0.6 acre is non-native woodland, and 2.8 acres are paved surface, (Figure 2). The construction laydown areas consist of 13.2 acres of barren ground and ruderal vegetation, and a 6.5-acre paved area. The three soil stockpile areas consist of stockpile 1, which is 2.2 acres of existing paved surface, and stockpiles 2 and 3, which are 2.7 acres and 2.3 acres respectively of ruderal grassland. In addition, temporary access roads will be required to reach the soil stockpile areas which consist of 2.3 acres of paved area and 0.2 acre of ruderal grassland. The project site is located within the boundary of an existing 210-acre site owned by DuPont.

## MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Mitigation measures for the OGS project site were developed through consultation with the California Energy Commission (CEC), and the East Contra Costa County Habitat Conservancy (Conservancy). Documentation of compliance with any conditions of the agency permits will be included in this report when applicable.

Conditions of Certification (COC) BIO 1-8 were in compliance during the month of July 2011. The following COC's require specific language be included in each monthly compliance report therefore they are addressed separately below;

BIO-9, nesting migratory bird mitigation measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-9 was in compliance during the month of July 2011.

BIO-10, minimizing and avoiding direct impacts to bat species was in compliance during the month of July 2011 by employing pre-construction and pre-disturbance surveys to all trees to be removed or where any new work was in close proximity to trees or other bat holding structures.

BIO-11, Swainson's hawk mitigation measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-11 was in compliance during the month of July 2011. A Swainson's hawk nest was monitored full time during the month of July by the Designated Biologist or Biological Monitor; daily monitoring notes are summarized within this report.

BIO-12, burrowing owl mitigation measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-12 was in compliance during the month of July 2011.



BIO-13, American badger impact and avoidance minimization measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-13 was in compliance during the month of July 2011.

BIO-14, San Joaquin kit fox avoidance minimizations measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-14 was in compliance during the month of July 2011.

BIO-15, Western pond turtle impact and avoidance measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-15 was in compliance during the month of July 2011.

BIO-16, Giant garter snake impact and avoidance measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-16 was in compliance during the month of July 2011.

BIO-17, California tiger salamander impact and avoidance measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-17 was in compliance during the month of July 2011.

BIO-18, California red-legged frog impact and avoidance measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-18 was in compliance during the month of July 2011.

## **SUMMARY OF ACTIVITIES**

This report provides a summary of July 2011 project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. The Designated Biologist (DB) and Biological Monitor (BM) completed logs summarizing activities, personal interactions, and observations made during each site visit. These logs are available on request.

### **Site Construction**

July OGS project site activities consisted of installing Wetland E and Phase 1 Storm Water Pollution Prevention Plan (SWPPP) best management practices (BMP'S) which include sediment fencing, straw wattles and "Keep Out Sensitive Resource" signage around Wetland E, and sediment fencing and straw wattles along the construction site chain link fencing. Other construction activities consisted of existing site utility locating, leveling, framing and concrete pouring of the dedicated fire water pump foundation, grading and installation of haul roads to soil stockpile areas 2 and 3, and site boundary fence installation.

Additionally, the OGS ground breaking ceremony took place on July 12<sup>th</sup>.



Monitoring visits were conducted daily through July 12<sup>th</sup> to document permit compliance and insure that construction activities did not disturb the nesting Swainson's hawks that are currently nesting +/- 800-feet north of the project site. After July 12<sup>th</sup> the juvenile SWHA's were considered fledged and monitoring of site activities continued on an as needed basis.

## **WORKER ENVIRONMENTAL AWARENESS TRAINING**

The WEAP program was developed exclusively for the OGS project. Program materials include a handbook, video, posted speed limit signs and supporting posters. As required by COC BIO-5 from the CEC *Commission Decision*, all new employees must attend the WEAP program.

No new personnel received WEAP training in July leaving the total number of employees trained to date at 52 since the OGS project started. A CCGS Safety and Compliance Manager as well as the OGS Designated Biologist and Biological Monitor administered the WEAP training to new employees. Signed affidavits are kept on file by the CCGS Safety and Compliance Manager. Construction hours for the month of July were from 0700 hours to 1730 hours, Monday through Thursday.

## **GENERAL DAILY NOTES AND OBSERVATIONS**

**During the month of July daily Biological Monitoring was not required. Project biological oversight was covered by the Designated Biologist (DB) Rick Crowe or the Biological Monitors (BM) Victor Leighton. The monitoring efforts for the month of July are documented below;**

**July 5<sup>th</sup>**, the DB was on site to monitor the nesting Swainson's hawks (SWHA's) located in a redwood tree approximately 800 feet north of the project site. Construction activities consisted of orange exclusion fencing and silt fence installation, Photo 2. SWHA observations consisted of the juvenile SWHA's flying from branch to branch in the nest tree and slowly venturing out farther from the nest tree, Photo 1. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**July 6<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and to perform pre-disturbance surveys. Construction activities consisted of silt fence installation, orange snow fence installation and prepping area for ground breaking ceremony, Photos 4 and 5. SWHA observations consisted of the juvenile SWHA's flying from tree to tree around nest tree, Photo 3. Later in the afternoon the winds began to pick up to 20 to 30 mph and at 1445 hours the wind blew the SWHA nest out of the tree, Photo 6. Both SWHA juveniles were able to fly to different parts of the nest tree and wait out the wind storm. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**July 7<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and to perform pre-disturbance surveys. Construction activities consisted of silt fence installation, orange snow fence installation and prepping area for ground breaking ceremony. SWHA observations consisted of the juvenile SWHA's flying from tree to tree around nest tree (Photo 7) and adult hawks chasing away intruding red-tailed hawks and turkey vultures. A gopher snake (*Pituophis melanoleucus*) was observed and reported to the DB by Chip the back hoe operator for ALB Contractors, Photo 8. The DB captured the gopher snake and safely released it in Wetland E. For more information on this observation see Attachment C Wildlife Observation Forms. The minor site construction

disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**July 11<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and to perform pre-disturbance surveys. Construction activities consisted of chain link fence removal and setting up of the large tent for the ground breaking ceremony, Photo 9. SWHA observations consisted of the juvenile SWHA's flying from tree to tree and taking prey on the ground and eating it on the ground while the adult SWHA's kept guard over the nest site territory. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**July 12<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and to perform pre-disturbance surveys. Construction activities consisted of chain link fence removal and re-installation. During this site visit the OGS project held a ground breaking ceremony, Photo 10. SWHA activity consisted of observing young SWHA's actively foraging with the adult SWHA's and combined territory defense from red-tailed hawks, osprey and turkey vultures. The SWHA juveniles are considered fledged at this time (Photo 11); therefore, constant monitoring of the SWHA's during construction is no longer necessary. While performing pre-disturbance surveys for installation of the orange protection fencing around the drip line of the eucalyptus trees the DB observed a California quail (*Callipepla californica*) in the laydown yards, Photo 12. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**July 18<sup>th</sup>**, the DB was on site to perform a compliance spot check and to follow up on the SWHA juvenile fledging. Construction activities consisted of removing and reinstalling of chain link fencing along the southern border of the project, Photo 14. SWHA activity consisted of juvenile SWHA's actively foraging and capturing prey, and protection of the nest territory by chasing away a pair of osprey that came into the nest area. During pre-disturbance surveys the DB observed a loggerhead shrike (*Vireo cassinii*) near the center of the project site, Photo 13. The DB searched the entire area where the shrike was observed for any potential nesting but none was observed. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**July 25<sup>th</sup>**, the DB was on site to perform a compliance spot check and to follow up on the SWHA juvenile fledging. Construction activities consisted of grading and rocking of the access roads to the soil stock pile areas 2 and 3, Photo 16. The SWHA juveniles followed the grading foraging for food and then perching (Photo 15) near the nest tree watching the ground disturbance take place. The DB performed a pre-disturbance survey on the access roads prior to grading and found the area devoid of wildlife. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**July 26<sup>th</sup>**, the DB was on site to perform a compliance spot check and to follow up on the SWHA juvenile fledging. Construction activities consisted of continued grading and rocking of soil stock pile access roads and BMP installation around stock pile areas. SWHA juvenile activity consisted of foraging entire OGS site for prey and actively defending nest territory with adult SWHA's. While monitoring the road construction the DB observed a Cooper's hawk (*Accipiter cooperii*) take a juvenile northern mockingbird (*Mimus polyglottos*) and eat it in the Australian pines that divide stockpile areas 2 and 3, Photo 17. The minor site construction disturbance did

not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**July 27<sup>th</sup>**, the DB was on site late in the afternoon to assist project bat specialist Heather Johnson perform roosting bat surveys on the eucalyptus (Photo 18) and oak trees that are planned for removal in early August. The roosting bat surveys were negative and the survey methodology and results was documented in a standalone report that was sent to the CEC on August 1, 2011. During this site visit the OGS project was in compliance.

**July 29<sup>th</sup>**, the DB was on site to perform a nesting bird survey on the six eucalyptus trees (Photos 19 and 20) and the six interior live oaks (Photo 21 and 22) that will be removed to facilitate construction of the OGS project. The nesting bird survey was negative; however, an old nest was observed within one of the interior live oak trees (Photo 23). The nesting bird survey results were written up and submitted to the CEC and Conservancy in a standalone document on August 1, 2011. The OGS project was in compliance during this survey.

Appendix A

**Cumulative Wildlife Species Observed in or Near  
the Project Area**

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## Cumulative Wildlife Species Observed in or Near the OGS Project Area

Common Name	Scientific Name	Comments
• BIRDS		
Canada goose	<i>Branta canadensis</i>	Fly over
Mallard	<i>Anas platyrhynchos</i>	Fly over
American white pelican	<i>Pelecanus erythrorhynchos</i>	Fly over
Double-crested cormorant	<i>Phalacrocorax auritus</i>	Fly over
Great blue heron	<i>Ardea herodias</i>	Fly over
Great egret	<i>Ardea alba</i>	Fly over and Wetland E
Snowy egret	<i>Egretta thula</i>	Fly over
Green heron	<i>Butorides virescens</i>	Wetland E
Black-crowned night-heron	<i>Nycticorax nycticorax</i>	Fly over
*Turkey vulture	<i>Cathartes aura</i>	Fly over
*Osprey	<i>Pandion haliaetus</i>	Fly over
White-tailed kite	<i>Elanus leucurus</i>	Fly over
Northern harrier	<i>Circus cyaneus</i>	Fly over
*Cooper's hawk	<i>Accipiter cooperii</i>	Fly over
Red-shouldered hawk	<i>Buteo lineatus</i>	Fly over
*Red-tailed hawk	<i>Buteo jamaicensis</i>	Nest between laydown areas fledged 1 successfully 2011.
*Swainson's hawk	<i>Buteo swainsoni</i>	Nest in redwood tree north of site fledged 2 successfully 2011.
American kestrel	<i>Falco sparverius</i>	Fly over
Great horned owl	<i>Bubo virginianus</i>	Nest in eucalyptus tree on site, successfully fledged 2 young 2011.
Barn owl	<i>Tyto alba</i>	Dead individual observed near Safety trailer, 11/8/10.
Sandhill crane	<i>Grus canadensis</i>	Fly over
Killdeer	<i>Charadrius vociferus</i>	Nest in laydown area and fly over 2011.
California gull	<i>Larus californicus</i>	Fly over.
Bonaparte's gull	<i>Larus philadelphia</i>	Fly over.
Caspian tern	<i>Hydroprogne caspia</i>	Fly over.
Forster's tern	<i>Limnodromus scolopaceus</i>	Fly over.
Common tern	<i>Sterna hirundo</i>	Fly over.
Rock pigeon (Exotic)	<i>Sterna fosteri</i>	Fly over.
Eurasian collared-dove (Exotic)	<i>Columba livia</i>	Fly over and nesting on site.
Mourning dove	<i>Streptopelia decaocto</i>	Fly over
Anna's hummingbird	<i>Chaetura vauxi</i>	Fly over
Belted kingfisher	<i>Archilochus alexandri</i>	Fly over

Downy woodpecker	<i>Picoides pubescens</i>	Eucalyptus trees on site
Nuttall's woodpecker	<i>Picoides nuttallii</i>	Eucalyptus trees on site
Northern flicker	<i>Colaptes auratus</i>	Eucalyptus trees on site

#### Cumulative Wildlife Species Observed in or Near the OGS Project Area

Common Name	Scientific Name	Comments
Black phoebe	<i>Sayornis nigricans</i>	Fly over
Western kingbird	<i>Tyrannus verticalis</i>	Fly over
*Loggerhead shrike	<i>Vireo cassinii</i>	Observed along southern border of project site 2011.
Western scrub-jay	<i>Aphelocoma californica</i>	Throughout project site.
Bullock's oriole	<i>Icterus bullockii</i>	Eucalyptus trees
American crow	<i>Corvus brachyrhynchos</i>	Throughout project site.
Common raven	<i>Corvus corax</i>	Throughout project site.
California quail	<i>Callipepla californica</i>	Throughout project site.
Tree swallow	<i>Tachycineta bicolor</i>	Throughout project site.
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	Throughout project site.
Barn swallow	<i>Hirundo rustica</i>	Throughout project site.
Meadowlark	<i>Sturnella neglecta</i>	Fly over
Bushtit	<i>Psaltirparus minimus</i>	Throughout project site.
Ruby-crowned kinglet	<i>Regulus calendula</i>	Fly over
American robin	<i>Turdus migratorius</i>	Fly over
*Northern mockingbird	<i>Mimus polyglottos</i>	Throughout project site.
European starling (Exotic)	<i>Sturnus vulgaris</i>	Throughout project site.
Cedar waxwing	<i>Bombycilla cedrorum</i>	Fly over
Yellow-rumped warbler	<i>Dendroica coronata</i>	Fly over
Savannah sparrow	<i>Passerculus sandwichensis</i>	Fly over
Song sparrow	<i>Melospiza melodia</i>	Fly over
Golden-crowned sparrow	<i>Zonotrichia atricapilla</i>	Eucalyptus trees
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	Nesting in trees on site
Dark-eyed junco	<i>Junco hyemalis</i>	Foraging in laydown area
Red-winged blackbird	<i>Agelaius phoeniceus</i>	Wetland E
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	Wetland E and one individual observed dead just off site 2011.
House finch	<i>Carpodacus mexicanus</i>	Nesting in trees on site.
House sparrow (Exotic)	<i>Passer domesticus</i>	Fly over.
<b>MAMMALS</b>		
California vole	<i>Microtus californicus</i>	Throughout project site
Botta's pocket gopher	<i>Thomomys bottae</i>	Throughout project site

*Coyote	<i>Canis latrans</i>	Numerous sightings on site.
California ground-squirrel	<i>Spermophilus beecheyi</i>	Throughout project site
Fox squirrel	<i>Sciurus niger</i>	Eucalyptus trees
Striped skunk	<i>Mephitis mephitis</i>	Observed during night time surveys
Black tailed hare	<i>Lepus californicus</i>	Throughout project site
Raccoon	<i>Procyon lotor</i>	Throughout project site
Feral cat	<i>Felis catus</i>	Throughout project site

**Cumulative Wildlife Species Observed in or Near the OGS Project Area**

Common Name	Scientific Name	Comments
<b>AMPHIBIANS AND REPTILES</b>		
Pacific chorus tree frog	<i>Hyla regilla</i>	Wetland E
*Gopher snake	<i>Pituophis melanoleucus</i>	Observed 2 different individuals near Wetland E, 2011
Western fence lizard	<i>Sceloporus occidentalis</i>	Laydown area, pipeline route and Energy Center footprint

\* Indicates new observance or additional information

## **Appendix B**

# **Site Photos**

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Photo 1, juvenile Swainson's hawks perched in nest tree, 7/5/11.



Photo 2 of silt fence installation along western edge of project site, 7/5/11.





Photo 3 of Swainson's hawk nest with young on nest, 7/6/11.



Photo 4 of orange snow fencing with "Sensitive Area" signage in place protecting trees, 7/6/11.



Photo 5 of orange snow fencing with "Sensitive Area" signage in place, 7/6/11.



Photo 6 Swainson's hawk nest tree after high winds blew the nest out of the tree, 7/6/11.





Photo 7 of juvenile Swainson's hawks perched in former nest tree, 7/7/11.



Photo 8 of gopher snake prior to capture and relocation off site, 7/7/11.





Photo 9 of ground breaking tent being erected, 7/11/11.

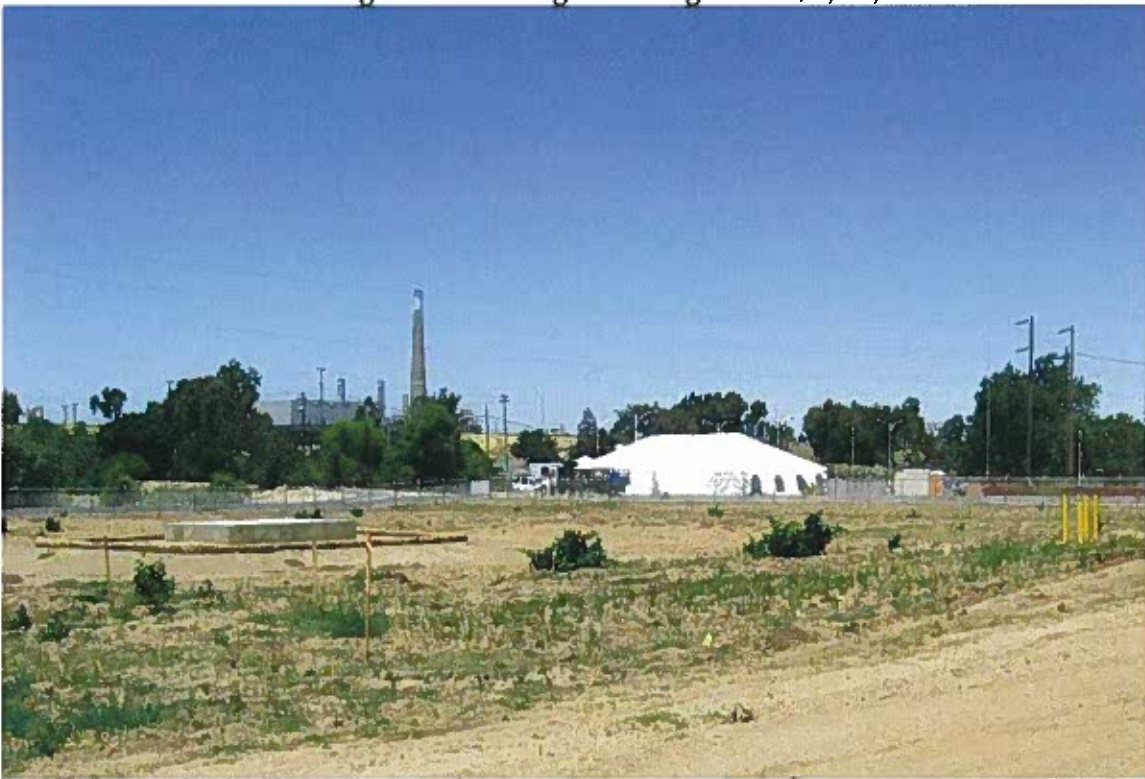


Photo 10 of OGS groundbreaking ceremony, 7/12/11.



Photo 11 of juvenile Swainson's hawks during ground breaking ceremony, 7/12/11.



Photo 12 of Valley quail observed in laydown area, 7/12/11.





Photo 13 of Loggerhead shrike as observed during pre-disturbance survey, 7/18/11.



Photo 14 of fence removal along southern most portion of project site, 7/18/11.





Photo 15 of juvenile Swainson's hawks perched in nest tree, 7/25/11.



Photo 16, of haul road to stockpile area 3 preparation, 7/25/11.





Photo 17 of Cooper's hawk with juvenile Mockingbird prey as observed, 7/26/11.



Photo 18, of eucalyptus trees to be removed for dirt haul road to stockpile areas, 7/27/11.





Photo 19, of eucalyptus trees scheduled for removal next month, 7/29/11.



Photo 20, of remainder of eucalyptus trees to be removed in August, 7/29/11.





Photo 21, 3 of the 6 interior live oaks that will be removed in August, 7/29/11.



Photo 22, remaining 3 of 6 interior live oaks to be removed in August, 7/29/11.





Photo 23, of abandoned nest observed in interior live oak during nesting bird surveys, 7/29/11.

**Appendix C**  
**Wildlife Observation Forms**

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## WILDLIFE OBSERVATION FORM

To Record Animals Found In Oakley Generating Station Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: *Chip ALB Backhoe operator*

Date: *7-7-11*

Location of observation: *Near Wetland E*

Wildlife species: *gopher snake*

Condition of wildlife: ☒ Alive

☐ Dead

Possible cause of injury or death:

*N/A*

Where is the animal currently? *Safely captured and released in Wetland E area by Designated Biologist*

Is the resource in danger of project (or other) impacts?

*no*

Comments: *WEAP training is working, workers alert biological monitors to all wildlife sightings.*

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

### DESIGNATED BIOLOGIST

Rick Crowe: Cell (916) 296-5525 Office (916) 286-0416

### BIOLOGICAL FIELD MONITORS

Victor Leighton: Cell (916) 425-7862 Office (916) 286-0415

Dan Williams: Cell (916) 943-8247 Office (916) 286-0229

**Biological Resources**  
**Mitigation Monitoring for the**  
**Oakley Generating Station Project**

**MONTHLY COMPLIANCE REPORT (BIO-2)**

**June 2011**

**Prepared by:**

**CH2M HILL**

**2485 Natomas Park Drive, Suite 600**

**Sacramento, California 95833**

**Oakley Generating Station**  
**MONTHLY COMPLIANCE REPORT**

**June 2011**

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# INTRODUCTION

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The Oakley Generating Station (OGS) project will be a combined-cycle, natural-gas-fired power plant owned by Contra Costa Generating Station LLC (CCGS LLC). The project site is located in Oakley, California (eastern Contra Costa County) at 5950 Bridgehead Road in the northwestern quarter of Section 22, Township 2 North, Range 2 East, Mount Diablo Base Meridian (Figure 1).

The project site consists of 21.95 acres of which 13.9-acres were in agricultural production as a vineyard, 1.6-acres are the conservation easement for Wetland E, 3.0 acres are ruderal cover, 0.6 acre is non-native woodland, and 2.8 acres are paved surface (Figure 2). The construction laydown areas consist of 13.2 acres of barren ground and ruderal vegetation, and a 6.5-acre paved area. The three soil stockpile areas consist of stockpile 1, which is 2.2 acres of existing paved surface, and stockpiles 2 and 3, which are 2.7 acres and 2.3 acres respectively of ruderal grassland. In addition, temporary access roads will be required to reach the soil stockpile areas, which consist of 2.3 acres of paved area and 0.2 acre of ruderal grassland. The project site is located within the boundary of an existing 210-acre site owned by DuPont.

## MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Mitigation measures for the OGS project site were developed through consultation with the California Energy Commission (CEC), and the East Contra Costa County Habitat Conservancy (Conservancy). Documentation of compliance with any conditions of the agency permits will be included in this report when applicable.

Conditions of Certification (COC) BIO 1-8 were in compliance during the month of June 2011. The following COC's require that specific language be included in each monthly compliance report, which are addressed separately below:

BIO-9, nesting migratory bird mitigation measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-9 was in compliance during the month of June 2011.

BIO-10, minimizing and avoiding direct impacts to bat species was in compliance during the month of June 2011 by employing pre-construction and pre-disturbance surveys to all trees to be removed or where any new work was in close proximity to trees or other bat holding structures.

BIO-11, Swainson's hawk mitigation measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-11 was in compliance during the month of June 2011. A Swainson's hawk nest was monitored full time during the month of June by the Designated Biologist or Biological Monitor; daily monitoring notes are summarized within this report.

BIO-12, burrowing owl mitigation measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-12 was in compliance during the month of June 2011.

BIO-13, American badger impact and avoidance minimization measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-13 was in compliance during the month of June 2011.

BIO-14, San Joaquin kit fox avoidance minimizations measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits insured that BIO-14 was in compliance during the month of June 2011.

BIO-15, Western pond turtle impact and avoidance measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-15 was in compliance during the month of June 2011.

BIO-16, Giant garter snake impact and avoidance measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits insured that BIO-16 was in compliance during the month of June 2011.

BIO-17, California tiger salamander impact and avoidance measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-17 was in compliance during the month of June 2011.

BIO-18, California red-legged frog impact and avoidance measures such as pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly/daily site visits, insured that BIO-10 was in compliance during the month of June 2011.

## **SUMMARY OF ACTIVITIES**

This report provides a summary of June 2011 project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. The Designated Biologist (DB) and Biological Monitor (BM) completed logs summarizing activities, personal interactions, and observations made during each site visit. These logs are available on request.

### **Site Construction**

June OGS project site activities consisted of installing Wetland E and Phase 1 Storm Water Pollution Prevention Plan (SWPPP) best management practices (BMP's), which include sediment fencing, straw wattles and "Keep Out Sensitive Resource" signage around Wetland E, and sediment fencing and straw wattles along the construction site chain link fencing. Other construction activities consisted of existing site utility locating, leveling, framing and concrete pouring of the dedicated fire water pump foundation, and site boundary fence installation.

Monitoring visits were conducted daily to document permit compliance and insure that construction activities did not disturb the nesting Swainson's hawks that are currently nesting +/- 800-feet north of the project site.



## **WORKER ENVIRONMENTAL AWARENESS TRAINING**

The WEAP program was developed exclusively for the OGS project. Program materials include a handbook, video, posted speed limit signs and supporting posters. As required by COC BIO-5 from the CEC *Commission Decision*, all new employees must attend the WEAP program.

Fifty-two (52) personnel received WEAP training in June for a total of 52 employees trained at OGS since the project started. A CCGS Safety and Compliance Manager as well as the OGS Designated Biologist and Biological Monitor administered the WEAP training to new employees. Signed affidavits are kept on file by the CCGS Safety and Compliance Manager. Construction hours for the month of June were from 0700 hours to 1730 hours, Monday through Thursday.

## **GENERAL DAILY NOTES AND OBSERVATIONS**

During the month of June daily Biological Monitoring was required. Project biological oversight was covered by the Designated Biologist (DB) Rick Crowe or the Biological Monitor (BM) Victor Leighton. The monitoring efforts for the month of June are documented below;

**June 1<sup>st</sup>**, the DB was on site to monitor the nesting Swainson's hawks (SWHA's) during construction disturbance and to perform pre-disturbance surveys to all project areas prior to disturbance (Photos 1, 2, and 3). The day's events consisted of a kick off meeting where the site WEAP program and the site safety program were given to new employees. During this site visit the DB observed a single SWHA chick on the SWHA nest being attended to by both adult SWHA's (Photo 4). The SWHA nest is located in a redwood tree approximately 800-feet north of the project site. Additionally, the DB observed a single red-tailed hawk chick in a nest being attended to by both adult red tailed hawks. The red-tailed hawk nest is located in a eucalyptus tree near the center of the project site near the laydown areas. During this site visit the DB inspected all sensitive areas for implementation of mitigation measures and interfaced with key construction personnel concerning potential upcoming construction issues. During this site visit the OGS project was in compliance.

**June 2<sup>nd</sup>**, the DB was on site to perform pre-disturbance surveys in and around Wetland E (Photo 5) as well as areas where ground penetrating radar (GPR) was used to locate existing utilities and to monitor the nesting SWHA's. SWHA observations consisted of the male SWHA bringing in a large California vole (*Microtus californicus*) to the nest (Photo 6). The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 3<sup>rd</sup>**, the DB was on site to monitor the nesting SWHA's. Construction activities for the day consisted of GPR, transit surveying for project monuments, and some small equipment being dropped off at the site. SWHA observations consisted of both adults actively foraging, feeding and defending the nest area. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 6<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction activities. Construction activities for the day consisted of delivery of BMP materials (straw wattles and silt fencing), GPR and utility locating. SWHA observations consisted of both adults actively foraging, feeding and defending the nest area and the observation of a second juvenile SWHA (Photo 7). Additionally, the DB observed the fledgling red-tailed hawk on the nest between the

two laydown areas (Photo 8). The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 7<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's (Photo 9) and construction related activities. Construction activities for the day consisted of security guard shack delivery, GPR, straw wattle installation (Photo 10 and 11), silt fence installation near Wetland E (Photo 12) and existing utilities locating. SWHA observations consisted of both adults foraging and feeding young, later in the day the female SWHA was observed shading the young from the sun by stretching her wings out and providing shade. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 8<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. Construction activities for the day consisted of silt fence and straw wattle installation near Wetland E and off loading of equipment. During the clearing for the silt fence installation a gopher snake (*Pituophis melanoleucus*) was observed and reported by Chip/ ALB Equipment Operator near Wetland E, (Photo 13). The gopher snake was captured and released unharmed by the DB. Also, a dead Brewer's blackbird (*Euphagus cyanocephalus*) was observed by Black and Veatch Quality Control Inspector Bill Strasburg between the OGS site and the DuPont conference area (Photo 14). Mr. Strasburg notified the DB who photographed the blackbird and disposed of it. The Brewer's blackbird was observed lying directly under a transmission line wire, based on the blackbird's injuries (broken neck) it may have flown into the transmission line wire. For more information on these wildlife sightings see Attachment C Wildlife Observation Forms. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 9<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. The SWHA adults spent most of the day foraging and protecting their area while the young sat on the side of the nest (Photo 15). Construction activities for the day consisted of silt fence and straw wattle installation near Wetland E (Photo 16) and clearing and leveling of the fire water pad (Photo 17). While performing the pre-disturbance wildlife survey for the fire water pad the DB observed the partial remains of a California ground squirrel (*Spermophilus beecheyi*), Photo 18. The ground squirrel carcass appeared to have been predated. For more information on the ground squirrel observation see Attachment C Wildlife Observation Forms. Later in the day the DB observed the juvenile red-tailed hawk on the nest and both adult hawks foraging over the laydown areas. The DB also placed "Keep Out Sensitive Resource" signage around the silt fencing protecting Wetland E. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 10<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. The SWHA adults spent most of the day foraging and protecting their area while the young sat on the nest, several times during the day the adults were observed bringing prey items to the nest (Photo 19). Construction activities for the day consisted of fire water pump compacting, pneumatic fence post driving and back hoe excavating for existing utilities. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 13<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. The SWHA adults spent the day feeding young and defending nest site territory from red-tailed hawks, turkey vultures and osprey. Construction activities consisted of chain link fence

installation and work on fire water pump concrete pad. The DB surveyed the entire site and observed the red-tailed hawk adults protecting their nest area while juvenile red-tail was on nest. The DB also observed a pair of loggerhead shrikes (Photo 20) near the southern portion of the project site. A very thorough search of the area where the shrikes were observed did not produce a shrike nest. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 14<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. The SWHA adults spent day feeding young (Photo 21) and defending nest site territory from red-tailed hawks, white-tailed kites and osprey. Construction activities consisted of chain link fence installation and work on fire water pump concrete pad. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 15<sup>th</sup>**, the BM was on site to monitor the nesting SWHA's and construction related activities. The BM observed the juvenile red-tailed hawk fly away and return to the nest. The BM also observed the adult SWHA's continually bring prey items to the nest and feed the young (Photo 22). Construction consisted of chain link fence erection and minor grading related to the fire water pump pad. Construction work ended early for lack of One-call for PG&E buried pipe. The minor construction site disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 16<sup>th</sup>**, the BM was on site for 2 hours monitoring the SWHA nest. Observations included territorial display, feeding of young and foraging. No construction activities today.

**June 20<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. Construction activities included fence installation, and trench plating existing utilities. SWHA activity consisted of defending nest territory from adult and juvenile red-tailed hawks as well as foraging and bringing prey items to young on nest. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 21<sup>st</sup>**, the DB was on site to monitor the nesting SWHA's (Photo 24) and construction related activities. Construction activities consisted of pouring concrete fire pump pad (Photo 23), some tree-of-heaven (*Ailanthus altissima*) removal near project entrance for safety reasons (Photo 25 and 26), and the contractor began installing orange snow fencing around the drip line of the eucalyptus trees that border the OGS site. SWHA activities consisted of female hawk shading young, both adult hawks bringing prey items to the nest and very aggressive defense of nest territory from adult and juvenile red-tailed hawks. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 22<sup>nd</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. Construction activity consisted of continued orange fence installation along the drip line of the eucalyptus that border the OGS site and a single wide job trailer was brought on site and installed. SWHA activities consisted of observing the female SWHA bring in a large gopher snake for the young to feed on and nest territory protection by both adult hawks. The DB installed some "Keep Out Sensitive Resource" signage to the orange fencing protecting the drip line of the eucalyptus trees. Other project related activities were WEAP training for CEC and

Contra Costa County CBO staff and site walk. The minor site construction disturbance of the day did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 23<sup>rd</sup>**, the BM was on site to monitor the nesting SWHA's and construction related activities. Construction activity consisted of concrete form stripping of fire water pump pad (Photo 28) and orange protective fence installation. SWHA activities consisted of defending nest territory from adult and juvenile red-tailed hawks, foraging and bringing prey items to young on nest (Photo 27). The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 24<sup>th</sup>**, the BM was on site to monitor the nesting SWHA's and construction related activities. Construction activities consisted of installing orange snow fencing around the drip line of the eucalyptus trees that border the OGS site. SWHA activities consisted of defending nest territory from adult and juvenile red-tailed hawks, foraging and bringing prey items to young on nest (Photo 29). The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 27<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. Construction activity consisted of continued orange fence installation along the drip line of the eucalyptus that border the OGS site. While marking the drip line of the eucalyptus trees for the contractor the DB observed an adult coyote crossing the eastern most portions of the laydown yards. The SWHA activities consisted of female hawk shading young, both adult hawks bringing prey items to the nest and very aggressive defense of nest territory from adult and juvenile red-tailed hawks. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 28<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. Construction activity consisted of BMP and orange fence installation, underground utility locating and chain link fence installation. The weather today was very windy (10-15 mph from the west) so the juvenile SWHA's remained hunkered down in the nest the majority of the day. On several occasions red-tailed hawks came in to the SWHA's area and were immediately chased off by the adult SWHA's. Around 1300 hours a light rain began which increased to a heavy rain with thunder and lightning. During the thunder, lightning and heavy rain the female SWHA was observed shielding the juvenile hawks from the wind and rain. Also, during the heaviest part of the storm a young coyote (*Canis latrans*) was observed within the newly fenced Phase 1 area. The coyote appeared confused and panicked (Photo 30) by the loud thunder and bright lightning, the coyote was observed running back and forth along the northern section of new chain link fencing biting the chain link and attempting to dig out from under it. The DB and John with ALB Contractors attempted to dig an escape area under the fence for the coyote, however the young coyote was panic stricken and kept running away from the fence whenever thunder would boom over the site. Eventually, the young coyote was observed leaving the site through a hole in the fencing to the south. For more information on this observation see Attachment C Wildlife Observation Forms. The OGS site received a little more than 1" of rain and all BMP's were in place and controlled site run off and run on. Wetland E was not affected by site run off (Photo 31). The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 29<sup>th</sup>**, the DB was on site to monitor the nesting SWHA's and construction related activities. Construction activity consisted of; BMP and orange fence installation, underground utility locating and chain link fence installation. The DB inspected Wetland E for any breaches in the site BMP's from yesterday's rain event in the sediment fence or any sedimentation reaching the wetland, none was observed (Photo 32 and 33). Juvenile SWHA activity consisted of the young hawks flexing their wings and making short hops from branch to branch around the nest tree this behavior was observed throughout the day. The adult hawks were observed aggressively chasing of a turkey vulture that ventured to close to the nest tree. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.

**June 30<sup>th</sup>**, the BM was on site to monitor the nesting SWHA's and construction related activities. Construction activity consisted of; BMP and orange fence installation, silt fence installation (Photo 35), underground utility locating and chain link fence installation. Juvenile SWHA activity consisted of testing wings by flapping and flying/hopping from the nest to nearby branches (Photo 34). At one point the two adult and one juvenile red-tailed hawks were observed circling the Wetland E area when both adult SWHA's flew out of the sky and physically chased the red-tailed hawks out of the SWHA territory, both juvenile SHWA's were observed watching the interaction between hawks. The minor site construction disturbance did not appear to bother the nesting hawks. During this site visit the OGS project was in compliance.



Appendix A

**Cumulative Wildlife Species Observed in or Near  
the Project Area**

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**Cumulative Wildlife Species Observed in or Near the OGS Project Area**

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Common Name	Scientific Name	Comments
<b>• BIRDS</b>		
Canada goose	<i>Branta canadensis</i>	Fly over
Mallard	<i>Anas platyrhynchos</i>	Fly over
American white pelican	<i>Pelecanus erythrorhynchos</i>	Fly over
Double-crested cormorant	<i>Phalacrocorax auritus</i>	Fly over
Great blue heron	<i>Ardea herodias</i>	Fly over
Great egret	<i>Ardea alba</i>	Fly over and Wetland E
Snowy egret	<i>Egretta thula</i>	Fly over
Green heron	<i>Butorides virescens</i>	Wetland E
Black-crowned night-heron	<i>Nycticorax nycticorax</i>	Fly over
*Turkey vulture	<i>Cathartes aura</i>	Fly over
*Osprey	<i>Pandion haliaetus</i>	Fly over
White-tailed kite	<i>Elanus leucurus</i>	Fly over
Northern harrier	<i>Circus cyaneus</i>	Fly over
Cooper's hawk	<i>Accipiter cooperii</i>	Fly over
Red-shouldered hawk	<i>Buteo lineatus</i>	Fly over
*Red-tailed hawk	<i>Buteo jamaicensis</i>	Nest between laydown areas fledged 1 successfully 2011.
*Swainson's hawk	<i>Buteo swainsoni</i>	Nest in redwood tree north of site fledged 2 successfully 2011.
American kestrel	<i>Falco sparverius</i>	Fly over
Great horned owl	<i>Bubo virginianus</i>	Nest in eucalyptus tree on site, successfully fledged 2 young 2011.
Barn owl	<i>Tyto alba</i>	Dead individual observed near Safety trailer, 11/8/10.
Sandhill crane	<i>Grus canadensis</i>	Fly over
Killdeer	<i>Charadrius vociferus</i>	Nest in laydown area and fly over 2011.
California gull	<i>Larus californicus</i>	Fly over.
Bonaparte's gull	<i>Larus philadelphia</i>	Fly over.
Caspian tern	<i>Hydroprogne caspia</i>	Fly over.
Forster's tern	<i>Limnodromus scolopaceus</i>	Fly over.
Common tern	<i>Sterna hirundo</i>	Fly over.
Rock pigeon (Exotic)	<i>Sterna fosteri</i>	Fly over.
Eurasian collared-dove (Exotic)	<i>Columba livia</i>	Fly over and nesting on site.
Mourning dove	<i>Streptopelia decanocto</i>	Fly over
Anna's hummingbird	<i>Chaetura vauxi</i>	Fly over

Belted kingfisher	<i>Archilochus alexandri</i>	Fly over
Downy woodpecker	<i>Picoides pubescens</i>	Eucalyptus trees on site
Nuttall's woodpecker	<i>Picoides nuttallii</i>	Eucalyptus trees on site
Northern flicker	<i>Colaptes auratus</i>	Eucalyptus trees on site

#### Cumulative Wildlife Species Observed in or Near the OGS Project Area

Common Name	Scientific Name	Comments
Black phoebe	<i>Sayornis nigricans</i>	Fly over
Western kingbird	<i>Tyrannus verticalis</i>	Fly over
Loggerhead shrike	<i>Vireo cassinii</i>	Observed along southern border of project site 2011.
Western scrub-jay	<i>Aphelocoma californica</i>	Throughout project site.
Bullock's oriole	<i>Icterus bullockii</i>	Eucalyptus trees
American crow	<i>Corvus brachyrhynchos</i>	Throughout project site.
Common raven	<i>Corvus corax</i>	Throughout project site.
California quail	<i>Callipepla californica</i>	Throughout project site.
Tree swallow	<i>Tachycineta bicolor</i>	Throughout project site.
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	Throughout project site.
Barn swallow	<i>Hirundo rustica</i>	Throughout project site.
Meadowlark	<i>Sturnella neglecta</i>	Fly over
Bushtit	<i>Psaltirparus minimus</i>	Throughout project site.
Ruby-crowned kinglet	<i>Regulus calendula</i>	Fly over
American robin	<i>Turdus migratorius</i>	Fly over
Northern mockingbird	<i>Mimus polyglottos</i>	Throughout project site.
European starling (Exotic)	<i>Sturnus vulgaris</i>	Throughout project site.
Cedar waxwing	<i>Bombycilla cedrorum</i>	Fly over
Yellow-rumped warbler	<i>Dendroica coronata</i>	Fly over
Savannah sparrow	<i>Passerculus sandwichensis</i>	Fly over
Song sparrow	<i>Melospiza melodia</i>	Fly over
Golden-crowned sparrow	<i>Zonotrichia atricapilla</i>	Eucalyptus trees
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	Nesting in trees on site
Dark-eyed junco	<i>Junco hyemalis</i>	Foraging in laydown area
Red-winged blackbird	<i>Agelaius phoeniceus</i>	Wetland E
*Brewer's blackbird	<i>Euphagus cyanocephalus</i>	Wetland E and one individual observed dead just off site 2011.
House finch	<i>Carpodacus mexicanus</i>	Nesting in trees on site.
House sparrow (Exotic)	<i>Passer domesticus</i>	Fly over.
<b>MAMMALS</b>		
*California vole	<i>Microtus californicus</i>	Throughout project site

Botta's pocket gopher	<i>Thomomys bottae</i>	Throughout project site
*Coyote	<i>Canis latrans</i>	Numerous sightings on site.
*California ground-squirrel	<i>Spermophilus beecheyi</i>	Throughout project site
Fox squirrel	<i>Sciurus niger</i>	Eucalyptus trees
Striped skunk	<i>Mephitis mephitis</i>	Observed during night time surveys
Black tailed hare	<i>Lepus californicus</i>	Throughout project site
Raccoon	<i>Procyon lotor</i>	Throughout project site
Feral cat	<i>Felis catus</i>	Throughout project site

**Cumulative Wildlife Species Observed in or Near the OGS Project Area**

Common Name	Scientific Name	Comments
<b>AMPHIBIANS AND REPTILES</b>		
Pacific chorus tree frog	<i>Hyla regilla</i>	Wetland E
*Gopher snake	<i>Pituophis melanoleucus</i>	Observed 2 different individuals near Wetland E, 2011
Western fence lizard	<i>Sceloporus occidentalis</i>	Laydown area, pipeline route and Energy Center footprint

\* Indicates new observance or additional information

## **Appendix B**

# **Site Photos**

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Photo 1, temporary site access road prior to BMP installation, 6/1/11.



Photo 2 of Phase 1 area prior to BMP installation, 6/1/11.





Photo 3 of fire water pump slab area, photo facing south, 6/1/11.



Photo 4 of Swainson's hawk nest with 1 young near stockpile area 2, 6/1/11.





Photo 5 of eastern edge of Wetland E prior to BMP installation, 6/2/11.



Photo 6 adult Swainson's hawk feeding juvenile hawk, 6/2/11.



Photo 7 of female Swainson's hawk landing on nest with prey item, 6/6/11.



Photo 8 of fledgling red-tailed hawk on nest, 6/6/11.





Photo 9, Swainson's hawk nest with 2 young visible and adult guarding nest area, 6/7/11.



Photo 10 of BMP installation in Phase 1 area, 6/7/11.





Photo 11 of straw wattle installation, 6/7/11.



Photo 12 of silt fence installation adjacent to Wetland E, 6/7/11.





Photo 13 of gopher snake prior to capture and safe release in Wetland E area, 6/8/11.



Photo 14 of female Brewer's blackbird as observed, 6/8/11.





Photo 15 of juvenile Swainson's hawks in nest, 6/9/11.



Photo 16, of straw wattles and silt fence protecting Wetland E, 6/9/11.





Photo 17 of firewater pump pad preparation, 6/9/11.



Photo 18, of partial remains of a California ground squirrel, observed during pre-disturbance survey for fire water pad, 6/9/11.





Photo 19, of female Swainson's hawk feeding 2 juvenile hawks, 6/10/11.



Photo 20, of Loggerhead shrike observed during pre-disturbance survey, 6/13/11.





Photo 21, female Swainson's hawk on nest with 2 juvenile hawks, 6/14/11.



Photo 22, female Swainson's hawk on nest with juveniles, 6/15/11.



Photo 23, of fire water pump pad being poured, 6/21/11.



Photo 24, of juvenile Swainson's hawks on nest, 6/21/11.





Photo 25, tree-of-heaven marked for removal near entrance gate, 6/21/11.



Photo 26, tree-of-heaven removal for safe access to and from the site, 6/21/11.





Photo 27, juvenile Swainson's hawks eating prey item that was brought to the nest by the adult female hawk, 6/23/11.



Photo 28, workers stripping forms off of fire water pump pad, 6/26/11.



Photo 29, juvenile Swainson's hawk on nest, 6/24/11.



Photo 30, photo of disoriented juvenile coyote during thunder and lightning storm, 6/28/11.





Photo 31, Wetland E BMP's in place and functioning during heavy rain event, 6/28/11.



Photo 32, Wetland E after significant rain event, 6/29/11.





Photo 33, open water area in Wetland E after significant rain event, 6/29/11.



Photo 34, juvenile Swainson's hawks perched in nest tree, 6/30/11.



Photo 35, silt fence installation around northern perimeter of site, 6/30/11.



**Appendix C**  
**Wildlife Observation Forms**

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## WILDLIFE OBSERVATION FORM

To Record Animals Found In Oakley Generating Station Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: *Chip backhoe operator / ALB Contractors*

Date: *6-8-11*

Location of observation: *In silt fence trench near Wetland E*

Wildlife species: *gopher snake*

Condition of wildlife: ☒ Alive

☐ Dead

Possible cause of injury or death:

*N/A*

Where is the animal currently? *Captured by Designated Biologist and released off site.*

Is the resource in danger of project (or other) impacts?

*NO*

Comments: *Construction worker observed the gopher snake while installing silt fence. The worker alerted the Designated Biologist who captured and relocated the snake within Wetland E.*

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

### DESIGNATED BIOLOGIST

Rick Crowe: Cell (916) 296-5525 Office (916) 286-0416

### BIOLOGICAL FIELD MONITORS

Victor Leighton: Cell (916) 425-7862 Office (916) 286-0415

Dan Williams: Cell (916) 943-8247 Office (916) 286-0229

## WILDLIFE OBSERVATION FORM

To Record Animals Found In Oakley Generating Station Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife,  
or other biological resources during daily construction activities.

Name of employee: *Bill Strasburg / Black & Veatch Quality Control Manager*

Date: *6-8-11*

Location of observation: *Off site on DuPont property*

Wildlife species: *Brewer's blackbird*

Condition of wildlife: ☐ Alive

☒ Dead

Possible cause of injury or death: *The blackbird was observed under a transmission line with a broken neck. Potentially the bird may have flown into the wire.*

Where is the animal currently? *Removed and disposed of*

Is the resource in danger of project (or other) impacts?

*NO*

Comments: *Bill immediately notified the Designated Biologist.*

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

### DESIGNATED BIOLOGIST

Rick Crowe: Cell (916) 296-5525 Office (916) 286-0416

### BIOLOGICAL FIELD MONITORS

Victor Leighton: Cell (916) 425-7862 Office (916) 286-0415

Dan Williams: Cell (916) 943-8247 Office (916) 286-0229

## WILDLIFE OBSERVATION FORM

To Record Animals Found In Oakley Generating Station Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife,  
or other biological resources during daily construction activities.

Name of employee: OGS Designated Biologist  
Rick Crowe

Date: 6-9-11

Location of observation: Between fire water pump pad and Wetland E

Wildlife species: California ground squirrel

Condition of wildlife: ☐ Alive

☒ Dead

Possible cause of injury or death: Predated

Where is the animal currently? Disposed of

Is the resource in danger of project (or other) impacts?

No

Comments: Observed carcass of squirrel while conducting pre-disturbance survey.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

### DESIGNATED BIOLOGIST

Rick Crowe: Cell (916) 296-5525 Office (916) 286-0416

### BIOLOGICAL FIELD MONITORS

Victor Leighton: Cell (916) 425-7862 Office (916) 286-0415

Dan Williams: Cell (916) 943-8247 Office (916) 286-0229

## WILDLIFE OBSERVATION FORM

### To Record Animals Found In Oakley Generating Station Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: *John / ALB Foreman and*  
*OGS, DB Rick Crowe*

Date: *6-28-11*

Location of observation: *Norther portion of site*

Wildlife species: *coyote*

Condition of wildlife: ☒ Alive

☐ Dead

Possible cause of injury or death:

*N/A*

Where is the animal currently? *Observed leaving the site*  
*to the south.*

Is the resource in danger of project (or other) impacts?

*NO*

Comments: *The young coyote was observed biting the chain link fencing and attempting to dig under it. The coyote would panic when then thunder and lightning struck.*

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

#### DESIGNATED BIOLOGIST

Rick Crowe: Cell (916) 296-5525 Office (916) 286-0416

#### BIOLOGICAL FIELD MONITORS

Victor Leighton: Cell (916) 425-7862 Office (916) 286-0415

Dan Williams: Cell (916) 943-8247 Office (916) 286-0229



## Monthly Report of Cultural Resources Monitoring Activities for the Oakley Generating Station Project for July 2011; COC CUL-6

**Prepared For:** Matt Trask/SAC  
Keith McGregor/SAC  
**Prepared By:** Clint Helton/OGS Cultural Resource Specialist  
**Reporting For Period:** July 2011

This report covers cultural resources monitoring activities at the Oakley Generating Station project for the month of July 2011, as required by Conditions of Certification CUL-6 in the California Energy Commission's Final Decision on the Oakley Generating Station.

### Personnel Active in Cultural Monitoring This Period

Phillip Reid participated as CRM for this month.

### Monitoring and Associated Activities This Period

Monitoring of ground disturbance included utilities locating, temporary fence posts, rough grading of haul roads, grading for earthen berms, monument auguring installation of temp water line and the installation of various BMPs (straw wattle and silt fencing). The native soil is characterized as medium brown "flour" sand that darkens with organic materials at approximately 2.5 feet in the phase 1 area.

### Cultural Resources Discoveries This Period

None

### Anticipated Changes in the Next Period

Excavations have concluded in the Phase 1 area for the present. Excavations in the Phase 2 area shall continue in August with ground disturbance including site grubbing and mass grading. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

### Comments, Issues or Concerns

None.

## **Report of Paleontological Resources Monitoring Activities Oakley Generating Station; COC PAL-5**

**Prepared For:** Matt Trask/SAC  
Keith McGregor/SAC  
**Prepared By:** Geof Spaulding, Oakley Paleontological Resources Specialist (PRS)  
**Reporting Period:** June and July, 2011  
**Date:** July 31, 2011

This report covers paleontological resources monitoring activities at OGS project for the above noted period, as required by Conditions of Certification PAL-5.

### **Personnel Active in Paleontological Monitoring This Period**

Personnel active in monitoring this period were:

Phil Reid

### **Monitoring and Associated Activities This Period**

The paleontological resources monitoring and mitigation plan (PRMMP) for this project establishes that sediments affected by excavations at the plant site possess low paleontological sensitivity. Therefore, a cross-trained cultural and paleontological resources monitor is being employed to monitor excavations at this site.

### **Paleontological Resources Discoveries This Period**

No paleontological material was identified.

### **Anticipated Activities in the Next Period**

Monitoring is continuing into August 2011.

### **Comments, Issues or Concerns**

Most excavations are at too shallow a depth to affect paleontologically sensitive sediment.

## **WEAP TRAINING DOCUMENTATION**





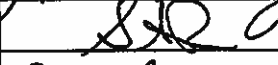

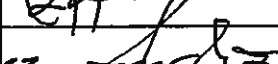
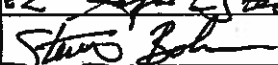


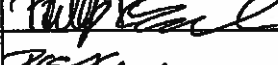

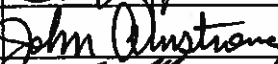
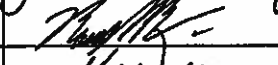
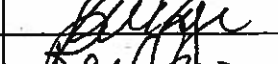
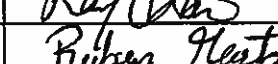
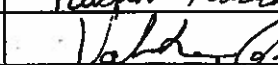






### **EXHIBIT 9**

**Oakley Generating Station Project**  
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**  
**TRAINING SIGN-IN SHEET**  
*(Biology, Archaeology, & Paleontology)*

DATE 6-1-11

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Oakley Generating Station Project, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company/Role
Jim McClucas		Radback/Engineer
RICHARD GULLOD		ALB / LABOR
Daniel Smith		ALB / Labor
HERIBERTO MARIÑO		ALB Labor-
David Schwenley		ALB/OE
STEVE ROBERTS		ALB/CARP
Danny Costa		ALB Labor
ERNEST APPAH		CPS
Sam G. Rodriguez		C.P.S.
STEVEN BAKER		CAMPION SECURITY
Stephen T. Fawcett		OPC / PFM
Mark Freeman		OPC / CM
PHILLIP ESCOBEDO		K&N / SURVEYOR
BOB GONZALEZ		ALB INC.
Dan Gonzalez		ALB
JOHN ARMSTRONG		ALB / O.E.
Mark McKen		OPC / Safety
Karina Wilkey		OPC / RE
Raymond Orsco		ALB
Ruben HURTADO		ALB
Valente Gutierrez		ALB
MANUEL JIMENEZ		ALB
RAMIRO ODRAN		ALB
Julian Ruiz		K&N

DATE: 6/8/11

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Oakley Generating Station Project, and I agree to comply with all the environmental requirements presented.*

[illegible]



DATE: 5/20/11

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Oakley Generating Station Project, and I agree to comply with all the environmental requirements presented.*

[illegible]

DATE: 6/22/11

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Oakley Generating Station Project, and I agree to comply with all the environmental requirements presented.*

[illegible]

## **CONSTRUCTION SAFETY DOCUMENTATION**

### **EXHIBIT 10**

To date, OPC has conducted Safety and WEAP orientation for 54 personnel, which includes representatives from CCGS, CEC, ALB, CCCBID, and CH2MHill. There have been no safety/environmental incidents to date since the start of construction. The project has logged 2,002 hours without a lost-time incident.

6/1/11

## Oakley Generating Station

## Safety Orientation

Please Print Name

Signature

Company

Craft

Mark McKen



Black &amp; Veatch

Safety Manager

Xanna Wicks



OPC

Resident Engineer

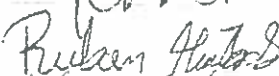
Raymond Ochoa



ALB

Laborer

Ruben HURTADO



ALB

Laborer

Valente Gutierrez



ALB

Cement Mason

MANUEL JIMENEZ



ALB

O.E.

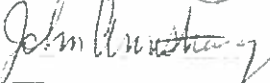
RAMIRO DURAN



ALB

LABORER

JOHN ARMSTRONG



ALB

O.E.

BOB GONZALEZ



ALB inc.

T&amp;F

STEVEN BAKER



CAMELOT

Security

ERNEST APPAH



Security

SECURITY

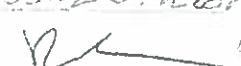


Sam G. Rodriguez

CAMELOT

Security

Dan Smith



ALB

Laborer

RICHARD GULLOS



ALB

LABOR


HERIBERTO MAURICIO



ALB

LABOR

DAVID SCHWARTZ



ALB

OE

STEVE ROBERTS



ALB

Camp.

DANNY COSTA



ALB

Labor

Mark Freeman



OPC

CM

PHILLIP EXOUERU



K&amp;W

SURVEYOR

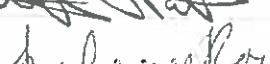
Stephen T Fawcett



OPC

CM

Julian Ruiz



K&amp;W

SURVEYOR

Rick Crowe



CH2M-Hill

Designated Biologist

Phillip Reid



CH2M-Hill

Archaeologist

Jim McLucas



Radback

Engineer

DAN GONZALEZ



ALB inc.

Camp.





## Oakley Generation Station



# Safety Orientation

Contractor Name: Multiple Groups

## Oakley Generation Station

Date: 6/22/11

Time: 10:00 AM

Description of Training/Meeting Materials & Subjects Covered:	Instructors/Trainers/Conductors:
OPC Project Loss Control Manual	Mark McKeon
Worker Awareness Environmental Program Training	Rick Rowe

### Attendees

#	Name (Printed)	Signature	Title/Craft	Company
0025	Marylou Taylor	Marylou Taylor		CEC
0026	JOSEPH HUGHES	[Signature]		CEC
0027	Ellie Townsend Hough	[Signature]		CEC
0028	ANN CRISP	[Signature]		CEC
0029	Barry Bedaw	[Signature]		GE
0030	Pierre Martinez	[Signature]		CEC
0031	KEITH MCGREGOR	[Signature]		CH2MHILL
0032	Greg Lunberg	[Signature]		CCGS
0033	Mark Freeman	[Signature]		OPC
0034	Craig Hiffman	[Signature]		CEC
0035	Karina Wilkie	[Signature]		DPC
0035	Robert Erickson	[Signature]		CCG, BT
0036	Roxanna Hyman	[Signature]		CCC
0037	Deborah Sandencock	[Signature]		CCC
0038	Jason Crapo	[Signature]		CCC
0039	Nestor Beliguel	[Signature]		" "
0040	CASIE WENGER	[Signature]		CEC
0041	Gary O. "Geo" Greening	[Signature]		Natural Investigations
0042	Elizabeth Brown	[Signature]		" "
0033	Conrad Fromme	[Signature]		CCC



**CORRESPONDENCE, FILINGS OR PERMITS ISSUED BY OTHER  
GOVERNMENTAL AGENCIES**

**EXHIBIT 11**



**United States Environmental Protection Agency  
Region 9  
75 Hawthorne Street , (WST-6)  
San Francisco, CA 94105**

**Acknowledgment Letter**

June 14, 2011

BARRY L BEDAW  
I RIVER RD BLDG 40 310F  
SCHENETADY, NY 12345

By obtaining a United States Environmental Protection Agency (EPA) Identification (ID) Number, you have notified EPA of your planned hazardous waste activities that are regulated under the Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations. The assigned EPA ID Number was based on the information that was provided on the EPA Form 8700-12, Notification of RCRA Subtitle C Activity, which was received on **05/17/2011**. Your EPA ID number (also referred to as RCRA ID Number) below is specific to the location indicated on the RCRA Site Location, and cannot be used at, or transferred to another location.

EPA (RCRA) ID #: CAR000219410  
RCRA Site Name: CONTRA COSTA GENERATING STATION  
RCRA Site Location: 5950 BRIDGEHEAD RD  
OAKLEY, CA 94561

The EPA ID Number is to be used on transport manifests and any other hazardous waste management documentation required under the RCRA Subtitle C Regulations.

EPA has listed your hazardous waste activities status as:

**Large Quantity Generator**

Your EPA ID Number does not expire. However, if any of the information required in the form changes, (e.g. RCRA Site Name, hazardous waste activity status, contact information, etc.), you may be required to notify EPA by resubmitting a Form 8700-12 (see the instructions accompanying Form 8700-12 at <http://www.epa.gov/osw/inforesources/data/form8700/8700-12.pdf>). If you plan to cease or have ceased operation at the RCRA Site Location, you must notify EPA as well. For this, you could send a letter to EPA requesting to inactivate the EPA ID Number. A letter will be sent to the contact person indicating the change(s) based on the submitted documentation.

Please keep in mind that if you have the hazardous waste activity status of a "Large Quantity Generator", there is a required Biennial Reporting that must be filed with your appropriate state or region. For more information, please visit <http://www.epa.gov/epawaste/inforesources/data/form8700/contact.pdf> to find the contacts for States and EPA Regions. If you have any RCRA Notification (EPA ID Number) questions, please call 415-495-8895. This RCRA Notification service telephone line is operated by EPA Region 9's Contractor, Tetra Tech EM, Inc.



Department of  
Conservation &  
Development

**Building Inspection Division**

County Administration Building  
651 Pine Street, 3rd Floor, North Wing  
Martinez, CA 94553-1295  
(925) 646-4108  
(925) 646-1219 FAX

Contra  
Costa  
County



Catherine O. Kutsuris  
Director

Jason Crapo  
Deputy Director

June 6, 2011

Craig Hoffman  
California Energy Commission  
1516 9<sup>th</sup> Street  
Sacramento, CA 95814

**RE: Authorization to Proceed with Phase I Construction**

Dear Mr. Hoffman,

This letter is to notify you that the Oakley Generating Station Project (09-AFC-46) has met all the pre-construction CBO Conditions of Certification for Phase I of the Project and may begin construction of Phase I upon your approval. Phase I of the Project includes construction activities for the fire pump, and associated facilities. Should you have any questions, please feel free to contact me at (925) 335-1108 or at [Jason.Crapo@dcd.cccounty.us](mailto:Jason.Crapo@dcd.cccounty.us).

Sincerely,

A handwritten signature in black ink, reading "Jason Crapo". The signature is fluid and cursive, with the first name "Jason" being more prominent than the last name "Crapo".

Jason Crapo  
Deputy Director, Building Inspection Division



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT  
SINCE 1955

June 2, 2011

Contra Costa Generating Station, LLC  
145 Town & County Dr Ste 107  
Danville, CA 94526

Attention: Jim McLucas

### **Authority to Construct for Permit Application No. 20798, Plant No. 19771**

---

#### **Required Action**

Your Authority to Construct is enclosed. This Authority to Construct is not a Permit to Operate. **To receive your Permit to Operate you must:**

1. Complete the Start-up Notification portion of the Authority to Construct.
2. Send the Start-up Notification to the assigned Permit Engineer via e-mail, fax or mail **at least seven days** prior to operating your equipment.

*Note: Operation of equipment without sending the Start-up Notification to the District may result in enforcement action.*

---

#### **Authorization of Limited Use**

The Authority to Construct authorizes operation during the start-up period from the date of initial operation indicated in your Start-up Notification until the Permit to Operate is issued, up to a maximum of 90 days. All conditions (specific or implied) included in this Authority to Construct will be in effect during the start-up period.

---

#### **Contact Information**

If you have any questions, please contact your assigned Permit Engineer:

Kathleen H Truesdell, Air Quality Engineer II

**Tel:** (415) 749-4628    **Fax:** (415) 749-5030    **Email:** [ktruesdell@baaqmd.gov](mailto:ktruesdell@baaqmd.gov)

---



*The Air District is a Certified Green Business.*

*Printed using soy-based inks on 100% post-consumer recycled content paper.*



## BAY AREA AIR QUALITY MANAGEMENT DISTRICT

### Authority to Construct

(This is not a Permit to Operate)

Plant No. 19771

Application No. 20798

#### Contra Costa Generating Station, LLC

5950 Bridgehead Rd, Oakley, CA 94561

is hereby granted an *Authority to Construct* for the following equipment:

S-1 Gas Turbine #1 w/HRSG, GE 7FA; 2150 MMBTU/HR

abated by

A-2 Oxidation Catalyst

A-1 SCR

Equipment above is subject to attached condition no. 24963.

Approved by

for

JACK P. BROADBENT  
EXECUTIVE OFFICER / APCO

Issue date: June 2, 2011

Expiration date: June 1, 2013

## Start-up Notification

**Instructions:** At least **seven days** before the scheduled initial operation contact your assigned Permit Engineer via email or complete and send this Start-up Notification to the District via fax or mail.

**Engineer:** Kathleen H Truesdell, Air Quality Engineer II

**Tel:** (415) 749-4628 **Fax:** (415) 749-5030

**Email:** ktruesdell@baaqmd.gov

**Plant No.** 19771

**Source No.** S-1

**Application No.** 20798

The initial operation of this equipment is scheduled for \_\_\_\_\_ (month/day/year)

Print your first and last name \_\_\_\_\_

Telephone No. \_\_\_\_\_

Category	Additional Notes
Implied Conditions	Unless your permit conditions state otherwise, the throughputs, fuel and material consumptions, capacities, and hours of operation described in your permit application will be considered maximum allowable limits. A new permit will be required before any increase in these parameters, or change in raw material handled, may be made.
Right of Access	In accordance with Regulation 1-440, the District shall be granted the right of access to any premises on which an air pollution source is located for the purposes of: <ul style="list-style-type: none"> <li>a) The inspection of the source,</li> <li>b) The sampling of materials used at the source,</li> <li>c) The conduct of an emission source test, and</li> <li>d) The inspection of any records required by District rule or permit condition.</li> </ul>
Compliance with District and State Rules and Regulations	This Authority to Construct does not authorize violation of the rules and regulations of the District (may be viewed at <a href="http://www.baaqmd.gov">www.baaqmd.gov</a> ), California or Federal law. Compliance with conditions in this permit does not mean that the permit holder is currently in compliance with District Rules and Regulations. It is the responsibility of the permit holder to have knowledge of and be in compliance with all District Rules and Regulations.
Expiration of Authority to Construct	This Authority to Construct expires two years from the date of issuance unless the Authority to Construct has been renewed in accordance with Regulation 2-1-407.
Authorization of Limited Use	The Authority to Construct authorizes operation during the start-up period from the date of initial operation indicated in your Start-up Notification until the Permit to Operate is issued, up to a maximum of 90 days. All conditions (specific or implied) of this Authority to Construct will be in effect during the start-up period.

Keep this part for your records.

Mail this part to the District.



BAAQMD  
939 Ellis Street  
San Francisco, CA 94109

Attention: Engineering Division



## BAY AREA AIR QUALITY MANAGEMENT DISTRICT

### Authority to Construct

(This is not a Permit to Operate)

Plant No. 19771  
Application No. 20798

#### Contra Costa Generating Station, LLC

5950 Bridgehead Rd, Oakley, CA 94561

is hereby granted an *Authority to Construct* for the following equipment:

S-2 Gas Turbine #2 w/HRSG, GE 7FA; 2150 MMBTU/HR

abated by

A-4 Oxidation Catalyst

A-3 SCR

Equipment above is subject to attached condition no. 24963.

Approved by  
for

  
JACK P. BROADBENT  
EXECUTIVE OFFICER / APCO

Issue date: June 2, 2011  
Expiration date: June 1, 2013

## Start-up Notification

**Instructions:** At least **seven** days before the scheduled initial operation contact your assigned Permit Engineer via email or complete and send this Start-up Notification to the District via fax or mail.

**Engineer:** Kathleen H Truesdell, Air Quality Engineer II  
**Tel:** (415) 749-4628 **Fax:** (415) 749-5030  
**Email:** ktruesdell@baaqmd.gov

**Plant No.** 19771  
**Source No.** S-2  
**Application No.** 20798

The initial operation of this equipment is scheduled for \_\_\_\_\_ (month/day/year)

Print your first and last name \_\_\_\_\_

Telephone No. \_\_\_\_\_





## BAY AREA AIR QUALITY MANAGEMENT DISTRICT

### Authority to Construct

(This is not a Permit to Operate)

Plant No. 19771

Application No. 20798

#### Contra Costa Generating Station, LLC

5950 Bridgehead Rd, Oakley, CA 94561

is hereby granted an *Authority to Construct* for the following equipment:

**S-3 Auxiliary Boiler, 50.6 MMBTU/HR**

*optionally abated by*

**A-5 Oxidation Catalyst**

Equipment above is subject to attached condition no. 24963.

Approved by

for

Issue date: June 2, 2011

Expiration date: June 1, 2013

  
JACK P. BROADBENT  
EXECUTIVE OFFICER / APCO

## Start-up Notification

**Instructions:** At least **seven days** before the scheduled initial operation contact your assigned Permit Engineer via email or complete and send this Start-up Notification to the District via fax or mail.

**Engineer:** Kathleen H Truesdell, Air Quality Engineer II

**Tel:** (415) 749-4628 **Fax:** (415) 749-5030

**Email:** ktruesdell@baaqmd.gov

**Plant No.** 19771

**Source No.** S-3

**Application No.** 20798

The initial operation of this equipment is scheduled for \_\_\_\_\_ (month/day/year)

Print your first and last name \_\_\_\_\_

Telephone No. \_\_\_\_\_



## BAY AREA AIR QUALITY MANAGEMENT DISTRICT

### Authority to Construct

(This is not a Permit to Operate)

Plant No. 19771

Application No. 20798

#### Contra Costa Generating Station, LLC

5950 Bridgehead Rd, Oakley, CA 94561

is hereby granted an *Authority to Construct* for the following equipment:


S-4 Fire Pump Diesel Engine

Emergency standby, IC Engine, Clark, model JW6H-UFAD80, 400 bhp

Equipment above is subject to attached condition no. 24963.

Issue date: June 2, 2011  
Expiration date: June 1, 2013

Approved by  
for

  
JACK P. BROADBENT  
EXECUTIVE OFFICER / APCO

## Start-up Notification

**Instructions:** At least **seven days** before the scheduled initial operation contact your assigned Permit Engineer via email or complete and send this Start-up Notification to the District via fax or mail.

**Engineer:** Kathleen H Truesdell, Air Quality Engineer II

**Tel:** (415) 749-4628 **Fax:** (415) 749-5030

**Email:** ktruesdell@baaqmd.gov

**Plant No.** 19771

**Source No.** S-4

**Application No.** 20798

The initial operation of this equipment is scheduled for \_\_\_\_\_ (month/day/year)

Print your first and last name \_\_\_\_\_

Telephone No. \_\_\_\_\_



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT  
SINCE 1955

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(Chairperson)  
Scott Haggerty  
Jennifer Hosterman  
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(Secretary)  
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Jack P. Broadbent  
EXECUTIVE OFFICER/APCO

June 2, 2011

Contra Costa Generating Station, LLC  
145 Town & County Dr Ste107  
Danville, CA 94526

Attention: Jim McLucas

Application Number 20798  
Plant Number: 19771  
Equipment Location: 5950 Bridgehead Rd  
Oakley, CA 94561

Dear Applicant:

SUBJECT: LETTER OF EXEMPTION

We have completed our evaluation of your application for a Permit to Operate the following equipment:

**S-5 Evaporative Fluid Cooler w/drift eliminators**

We have determined that your operation is exempt from permitting per the following:

**2-1-128 Exemption, Miscellaneous Equipment:** The following equipment is exempt from the requirements of Sections 2-1-301 and 302, provided that the source does not require permitting pursuant to Section 2-1-319.

**128.4** Water cooling towers and water cooling ponds not used for evaporative cooling of process water, or not used for evaporative cooling of water from barometric jets or from barometric condensers.

*(Adopted 10/19/83; Amended 7/16/86; 7/17/91; 6/7/95; 5/17/00; 11/15/00; 12/21/04)*

This exemption applies solely to permits. The equipment must be operated in compliance with any applicable District regulations and with other regulatory agency requirements. The District's regulations may be viewed online at [www.baaqmd.gov/](http://www.baaqmd.gov/). Note that this exemption is not permanent. Any change in your operation or in District regulations may require you to obtain permits in the future.

Please include your application number with any correspondence with the District. If you have any questions on this matter, please call Kathleen H Truesdell at (415) 749-4628.

Very truly yours,

Jack P. Broadbent  
Executive Officer/APCO

JPB:KHT



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June 2, 2011

Contra Costa Generating Station, LLC  
145 Town & County Dr Ste107  
Danville, CA 94526

Attention: Jim McLucas

Application Number 20798  
Plant Number: 19771  
Equipment Location: 5950 Bridgehead Rd  
Oakley, CA 94561

Dear Applicant:

SUBJECT: LETTER OF EXEMPTION

We have completed our evaluation of your application for a Permit to Operate the following equipment:

**S-6 Oil/Waster Separator**

We have determined that your operation is exempt from permitting per the following:

- 2-1-103 Exemption, Source not Subject to any District Rule:** Any source that is not already exempt from the requirements of Section 2-1-301 and 302 as set forth in Sections 2-1-105 to 2-1-128, is exempt from Section 2-1-301 and 302 if the source meets all of the following criteria:
- 103.1 The source is not in a source category subject to any of the provisions of Regulation 6<sup>(1)</sup>, Regulation 8<sup>(2)</sup> excluding Rules 1 through 4, Regulations 9 through 12; and
  - 103.2 The source is not subject to any of the provisions of Sections 2-1-316 through 319; and
  - 103.3 Actual emissions of precursor organic compounds (POC), non-precursor organic compounds (NPOC), nitrogen oxides (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), PM<sub>10</sub> and carbon monoxide (CO) from the source are each less than 10 pounds per highest day. A source also satisfies this criterion if actual emissions of each pollutant are greater than 10 lb/highest day, but total emissions are less than 150 pounds per year, per pollutant.  
Note 1: Typically, any source may be subject to Regulation 6, Particulate Matter and Visible Emissions. For the purposes of this section, Regulation 6 applicability shall be limited to the following types of sources that emit PM<sub>10</sub>: combustion source; material handling/processing; sand, gravel or rock processing; cement, concrete and asphaltic concrete production; tub grinder; or similar PM<sub>10</sub>-emitting source, as deemed by the APCO.  
Note 2: If an exemption in a Regulation 8 Rule indicates that the source is subject to Regulation 8, Rules 1 through 4, then the source must comply with all applicable provisions of Regulation 8, Rules 1 through 4, to qualify for this exemption.
  - 103.4 The source is not an ozone generator (a piece of equipment designed to generate ozone) emitting 1 lb/day or more of ozone.

(Adopted 6/7/95; Amended 5/17/00; 12/21/04)

This exemption applies solely to permits. The equipment must be operated in compliance with any applicable District regulations and with other regulatory agency requirements. The District's regulations may be viewed online at [www.baaqmd.gov/](http://www.baaqmd.gov/). Note that this exemption is not permanent. Any change in your operation or in District regulations may require you to obtain permits in the future.



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Please include your application number with any correspondence with the District. If you have any questions on this matter, please call **Kathleen H Truesdell** at (415) 749-4628.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Jack P. Broadbent".

*a* Jack P. Broadbent  
Executive Officer/APCO

DPB KTH





Plant Name: Contra Costa Generating Station, LLC

S-1 – S-4

Condition No. 24963

Plant No. 19771

Application No. 20798

## Oakley Generating Station, Plant 19771

### Definitions:

Hour:	Any continuous 60-minute period
Clock Hour:	Any continuous 60-minute period beginning on the hour
Calendar Day:	Any continuous 24-hour period beginning at 12:00 midnight or 0000 hours
Year:	Any consecutive twelve-month period of time
Rolling 3-hour period:	Any consecutive three-clock hour period, not including start-up or shutdown periods
Heat Input:	All heat inputs refer to the heat input at the higher heating value (HHV) of the fuel, in BTU/scf
Firing Hours:	Period of time during which fuel is flowing to a unit, measured in hours
MMBtu:	million British thermal units
Gas Turbine Cold Start-up	A gas turbine startup that occurs more than 48 hours after a gas turbine shutdown, and is limited in time to the lesser of (i) the first 90 minutes of continuous fuel flow to the Gas Turbine after fuel flow is initiated or (ii) the period of time from Gas Turbine fuel flow initiation until the Gas Turbine achieves the first of two consecutive CEM data points in compliance with the emission concentration limits of Parts 15(b) and 15(d)
Gas Turbine Hot/Warm Start-up	A gas turbine startup that occurs within 48 hours of a gas turbine shutdown, and is limited in time to the lesser of (i) the first 30 minutes of continuous fuel flow to the Gas Turbine after fuel flow is initiated or (ii) the period of time from Gas Turbine fuel flow initiation until the Gas Turbine achieves the first of two consecutive CEM data points in compliance with the emission concentration limits of Parts 15(b) and 15(d)
Gas Turbine Shutdown:	The lesser of the 30-minute period immediately prior to the termination of fuel flow to the Gas Turbine or the period of time from non-compliance with any requirement listed in Parts 15(b) and 15(d) until termination of fuel flow to the Gas Turbine
Gas Turbine Combustor Tuning:	The period of time, not to exceed 8 operating hours per tuning event, in which testing, adjustment, tuning, and calibration operations are performed, as recommended by the gas turbine manufacturer, to ensure safe and reliable steady-state operation, and to minimize NO <sub>x</sub> and CO emissions.



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**Specified PAHs:**

The polycyclic aromatic hydrocarbons listed below shall be considered to be Specified PAHs for these permit conditions. Any emission limits for Specified PAHs refer to the sum of the emissions for all six of the following compounds:

Benzo[a]anthracene  
Benzo[b]fluoranthene  
Benzo[k]fluoranthene  
Benzo[a]pyrene  
Dibenzo[a,h]anthracene  
Indeno[1,2,3-cd]pyrene

**Corrected Concentration:**

The concentration of any pollutant (generally NO<sub>x</sub>, CO, or NH<sub>3</sub>) corrected to a standard stack gas oxygen concentration. For emission points P-1, the exhaust of Gas Turbine (S-1), and P-2, the exhaust of Gas Turbine (S-2), the standard stack gas oxygen concentration is 15% O<sub>2</sub> by volume on a dry basis. For emission point P-3, the exhaust of Auxiliary Boiler (S-3), the standard stack gas oxygen concentration is 3% O<sub>2</sub> by volume on a dry basis.

**Commissioning Activities:**

All testing, adjustment, tuning, and calibration activities recommended by the equipment manufacturers and the OGS construction contractor to ensure safe and reliable steady-state operation of the gas turbines, heat recovery steam generators, steam turbine, and associated electrical delivery systems during the commissioning period

**Commissioning Period:**

The Commissioning Period shall commence when all mechanical, electrical, and control systems are installed and individual system start-up has been completed, or when a gas turbine is first fired, whichever occurs first. The Commissioning Period for each gas turbine shall terminate when the activities identified in the Commissioning Plan (submitted under Part 4 below) are complete and the gas turbine has reached safe and reliable steady-state operation as demonstrated by compliance with NO<sub>x</sub> and CO normal operating limits using the continuous emissions monitors.

**Precursor Organic  
Compounds (POCs):**

Any compound of carbon, excluding methane, ethane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate

**CEC CPM:**

California Energy Commission Compliance Program Manager

**OGS:**

Oakley Generating Station

**Owner/operator:**

The owner/operator of Oakley Generating Station





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stack gas carbon monoxide emission concentrations  
stack gas oxygen concentrations

The monitored parameters shall be recorded at least once every 15 minutes (excluding normal calibration periods or when the monitored source is not in operation) for the Gas Turbines (S-1 and S-2). The owner/operator shall use District-approved methods to calculate heat input rates, nitrogen dioxide mass emission rates, carbon monoxide mass emission rates, and NO<sub>x</sub> and CO emission concentrations, summarized for each clock hour and each calendar day. The owner/operator shall retain records on site for at least 5 years from the date of entry and make such records available to District personnel upon request. (Basis: Regulation 2, Rule 2, Section 419)

6. The owner/operator shall install, calibrate, and operate the District-approved continuous monitors specified in Part 5 prior to first firing of the Gas Turbines (S-1 and S-2). After first firing of the turbines, the owner/operator shall adjust the detection range of these continuous emission monitors as necessary to accurately measure the resulting range of CO and NO<sub>x</sub> emission concentrations. The instruments shall operate at all times of operation of S-1 and S-2 including start-up, shutdown, upset, and malfunction, except as allowed by BAAQMD Regulation 1-522, BAAQMD Manual of Procedures, Volume V. If necessary to comply with this requirement, the owner/operator shall install dual-span monitors. The type, specifications, and location of these monitors shall be subject to District review and approval. (Basis: Regulation 2, Rule 2, Section 419)
7. The owner/operator shall not fire S-1 and S-2 Gas Turbine without abatement of nitrogen oxide emissions by the corresponding SCR System A-1 and A-3 and/or abatement of carbon monoxide emissions by the corresponding Oxidation Catalyst A-2 and A-4 for more than a combined total of 831 hours during the commissioning period. Such operation of any Gas Turbine (S-1, S-2) without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR system and/or oxidation catalyst in place. Upon completion of these activities, the owner/operator shall provide written notice to the District Engineering Division and Compliance and Enforcement Division and the unused balance of the 831 firing hours without abatement shall expire. (Basis: BACT, Regulation 2, Rule 2, Section 409)
8. The total mass emissions of nitrogen oxides, carbon monoxide, precursor organic compounds, PM<sub>10</sub>, and sulfur dioxide that are emitted by the Gas Turbines (S-1, and S-2) during the commissioning period shall accrue towards the consecutive twelve-month emission limitations specified in Part 43. (Basis: Regulation 2, Rule 2, Section 409)
9. The owner/ operator shall not operate the Gas Turbines (S-1 and S-2) in a manner such that the pollutant emissions from each gas turbine will exceed the following limits during the commissioning period. These emission limits shall include emissions resulting from the start-up and shutdown of the Gas Turbines (S-1, S-2). (Basis: BACT, Regulation 2, Rule 2, Section 409)

NO <sub>x</sub> (as NO <sub>2</sub> )	2,380.8 pounds per calendar day	148.7 pounds per hour
CO	13,303 pounds per calendar day	700 pounds per hour



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S-1 – S-4

Condition No. 24963

Plant No. 19771

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### Conditions for the GE 7FA Combined-Cycle Gas Turbines (S-1 and S-2)

10. The owner/operator shall fire the Gas Turbines (S-1 and S-2) exclusively on PUC regulated natural gas with a maximum sulfur content of 1 grain per 100 standard cubic feet. To demonstrate compliance with this limit, the operator of S-1 and S-2 shall sample and analyze the gas from each supply source at least monthly to determine the sulfur content of the gas. PG&E monthly sulfur data may be used provided that such data can be demonstrated to be representative of the gas delivered to the OGS. (Basis: BACT for SO<sub>2</sub> and PM<sub>10</sub>)
11. The owner/operator shall not operate the units such that the heat input rate to each Gas Turbine (S-1 and S-2) exceeds 2,150 MMBtu (HHV) per hour. (Basis: BACT for NO<sub>x</sub>)
12. The owner/operator shall not operate the units such that the heat input rate to each Gas Turbine (S-1 and S-2) exceeds 51,600 MMBtu (HHV) per day. (Basis: Cumulative Increase for PM<sub>10</sub>)
13. The owner/operator shall not operate the units such that the combined cumulative heat input rate for the Gas Turbines (S-1 and S-2) exceeds 35,397,277 MMBtu (HHV) per year. (Basis: Offsets)
14. The owner/operator shall ensure that each Gas Turbine (S-1, S-2) is abated by the properly operated and properly maintained Selective Catalytic Reduction (SCR) System A-1 or A-3 and Oxidation Catalyst System A-2 or A-4 whenever fuel is combusted at those sources and the corresponding SCR catalyst bed (A-1 or A-3) has reached minimum operating temperature. (Basis: BACT for NO<sub>x</sub>, POC and CO)
15. The owner/operator shall ensure that the Gas Turbines (S-1, S-2) comply with the following limits. The limits in this part do not apply during a gas turbine start-up, combustor tuning operation or shutdown. (Basis: BACT and Regulation 2, Rule 5)
  - a) Nitrogen oxide mass emissions (calculated as NO<sub>2</sub>) at each exhaust point P-1 and P-2 (exhaust point for S-1 and S-2 Gas Turbine after abatement by A-1 and A-3 SCR System) shall not exceed 15.52 pounds per hour, averaged over any 1-hour period. (Basis: Cumulative Increase for NO<sub>x</sub>)
  - b) The nitrogen oxide emission concentration at each exhaust point P-1 and P-2 shall not exceed 2.0 ppmv, on a dry basis, corrected to 15% O<sub>2</sub>, averaged over any 1-hour period. (Basis: BACT for NO<sub>x</sub>)
  - c) Carbon monoxide mass emissions at each exhaust point P-1 and P-2 shall not exceed 9.45 pounds per hour, averaged over any 1-hour period. (Basis: Cumulative Increase for CO)
  - d) The carbon monoxide emission concentration at each exhaust point P-1 and P-2 shall not exceed 2.0 ppmv, on a dry basis, corrected to 15% O<sub>2</sub> averaged over any 1-hour period. (Basis: BACT for CO)
  - e) Ammonia (NH<sub>3</sub>) emission concentrations at each exhaust point P-1 and P-2 shall not exceed 5 ppmv, on a dry basis, corrected to 15% O<sub>2</sub>, averaged over





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any rolling 3-hour period. This ammonia emission concentration shall be verified by the continuous recording of the ammonia injection rate to each SCR System A-1 and A-3. The correlation between the gas turbine heat input rates, A-1 and A-3 SCR System ammonia injection rates, and corresponding ammonia emission concentration at emission points P-1 and P-2 shall be determined in accordance with Part 24 or a District approved alternative method. The APCO may require the installation on one exhaust point (P-1 or P-2 at the owner/operator's discretion) of a CEM designed to monitor ammonia concentrations if the APCO determines that a commercially available CEM has been proven to be accurate and reliable and that an adequate Quality Assurance/Quality Control protocol for the CEM has been established. The District or another agency must establish a District-approved Quality Assurance/Quality Control protocol prior to the ammonia CEM being a requirement of this part. The APCO shall use the first year of ammonia CEM data to establish the appropriate ammonia emission concentration limit and averaging time for compliance demonstration by CEM. After the APCO has established the ammonia limit, the ammonia CEM shall be used to demonstrate compliance for the gas turbine being monitored by CEM. The gas turbine with the ammonia CEM shall still be subject to the emission testing requirements in Part 24. For the gas turbine with the ammonia CEM, calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate shall be submitted to the District for informational purposes only. (Basis: Regulation 2, Rule 5)

- f) Precursor organic compound (POC) mass emissions (as CH<sub>4</sub>) at each exhaust point P-1 and P-2 shall not exceed 2.71 pounds per hour. (Basis: Cumulative Increase for POC)



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16. The owner/operator shall ensure that the regulated air pollutant mass emission rates from each of the Gas Turbines (S-1, and S-2) during a start-up or shutdown does not exceed the limits established below. (Basis: BACT Limit for Non-Steady-State Operation)

Pollutant	Hot/Warm Startup (lb/startup)	Maximum Emissions During an Hour Containing a Hot/Warm Startup (lb/hr)	Maximum Emissions Per Cold Startup (lb/startup)	Maximum Emissions During an Hour Containing a Cold Startup (lb/hr)	Maximum Emissions Per Shutdown (lb/shutdown)	Maximum Emissions During an Hour Containing a Shutdown (lb/hr)
NO <sub>x</sub> (as NO <sub>2</sub> )	22.3	33.9	96.3	99.9	39.3	46.8
CO	85.2	92.2	360.2	362.4	140.2	144.7
POC (as CH <sub>4</sub> )	31.1	33.1	67.1	67.7	17.1	18.4

17. The owner/operator shall not perform combustor tuning on each Gas Turbine (S-1 or S-2) more than twice in any consecutive 12 month period. Each tuning event shall not exceed 8 hours. Combustor tuning shall only be performed on one gas turbine per day. The owner/operator shall notify the District Engineering Division and Compliance and Enforcement Division no later than 7 days prior to combustor tuning activity, except in exigent circumstances. If exigent circumstances arise, the owner/operator shall notify the District Engineering Division and Compliance and Enforcement Division in writing 24 hours prior to combustor tuning activity detailing the circumstances. The emissions during combustor tuning from each gas turbine shall not exceed the hourly limits established below, and shall not exceed hourly limits established by the District based on emissions data obtained during the first tuning event for each turbine. The owner/operator shall measure and record mass emissions of NO<sub>x</sub> and CO using the continuous emission monitors during tuning.

The owner/operator shall measure POC emissions during the first tuning after the first turbine has been commissioned using a District-approved source test method. The owner/operator shall seek District approval of the test method in accordance with Part 29 below. The owner/operator shall submit the record of the NO<sub>x</sub>, CO, and POC emissions during the first tuning event after the first turbine has been commissioned to the District within 60 days after the first tuning event. The District shall establish mass emissions limits for the future tuning events based on this test data and shall notify the owner/operator of these limits. (Basis: BACT, Offsets, Cumulative Increase)



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Pollutant	Emissions Limit (lb/hr)
NO <sub>x</sub> (as NO <sub>2</sub> )	96
CO	360
POC (as CH <sub>4</sub> )	67

18. The owner/operator shall not allow total emissions from each Gas Turbine (S-1 or S-2), including emissions generated during gas turbine start-ups, and shutdowns to exceed the following limits during any calendar day (except for days during which combustor tuning events occur, which are subject to Part 19 below):

- a) 488 pounds of NO<sub>x</sub> (as NO<sub>2</sub>) per day (Basis: Cumulative Increase)
- b) 715 pounds of CO per day (Basis: Cumulative Increase)
- c) 146 pounds of POC (as CH<sub>4</sub>) per day (Basis: Cumulative Increase)

19. The owner/operator shall not allow total emissions from each Gas Turbine (S-1 or S-2), including emissions generated during gas turbine start-ups, shutdowns, and combustor tuning events to exceed the following limits during any calendar day on which a tuning event occurs:

- a) 971 pounds of NO<sub>x</sub> (as NO<sub>2</sub>) per day (Basis: Cumulative Increase)
- b) 2818 pounds of CO per day (Basis: Cumulative Increase)
- c) 531 pounds of POC (as CH<sub>4</sub>) per day (Basis: Cumulative Increase)

20. The owner/operator shall not allow the maximum projected annual toxic air contaminant emissions (per Part 23) from the Gas Turbines (S-1, S-2) combined to exceed the following limits:

Formaldehyde	16,636.1 pounds per year
Benzene	462.9 pounds per year
Specified polycyclic aromatic hydrocarbons (PAHs)	4.54 pounds per year

unless the following requirement is satisfied:

The owner/operator shall perform a health risk assessment to determine the total facility risk using the emission rates determined by source testing and the most current Bay Area Air Quality Management District approved procedures and unit risk factors in effect at the time of the analysis. The owner/operator shall submit the risk analysis to the District and the CEC CPM within 60 days of the source test date. The owner/operator may request that the District and the CEC CPM revise the carcinogenic compound emission limits specified above. If the owner/operator demonstrates to the satisfaction of the APCO that these revised emission limits will not result in a significant cancer risk, the District and the CEC CPM may, at their



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discretion, adjust the carcinogenic compound emission limits listed above. (Basis: Regulation 2, Rule 5)

21. The owner/operator shall demonstrate compliance with Parts 11 through 13, 15(a) through 15(d), 16 (NO<sub>x</sub> and CO limits), 17 (NO<sub>x</sub> and CO limits), 18(a), 18(b), 19(a), 19(b), 43(a) and 43(b) by using properly operated and maintained continuous monitors (during all hours of operation including gas turbine start-up, combustor tuning, and shutdown periods). If necessary to comply with this requirement, the owner/operator shall install dual-span monitors. The owner/operator shall monitor for all of the following parameters and record each parameter at least every 15 minutes (excluding normal calibration periods):

- a) Firing Hours and Fuel Flow Rates for each of the following sources: S-1 and S-2
- b) Oxygen (O<sub>2</sub>) concentration, Nitrogen Oxides (NO<sub>x</sub>) concentration, and carbon monoxide (CO) concentration at exhaust points P-1 and P-2
- c) Ammonia injection rate at A-1 and A-2 SCR Systems

The owner/operator shall use the parameters measured above and District approved calculation methods to calculate and record the following parameters for each gas turbine (S-1 and S-2):

- d) Corrected NO<sub>x</sub> concentration and corrected CO concentration, averaged for each clock hour
- e) Corrected NO<sub>x</sub> concentration and corrected CO concentration, averaged for each calendar day

The owner/operator shall use the parameters measured above and District-approved calculation methods to calculate and record the following parameters for each gas turbine (S-1 and S-2) and totaled for S-1 and S-2:

- f) For each rolling three hour period, the heat input rate in MMBtu (HHV) per hour
- g) For each calendar day, the average hourly heat input rate in MMBtu (HHV) per hour and total daily heat input rate in MMBtu (HHV) per day
- h) For each consecutive twelve month period, the total heat input rate in MMBtu (HHV) per year
- i) For each clock hour, the NO<sub>x</sub> mass emission rate (as NO<sub>2</sub>) and CO mass emissions rate in pounds per hour
- j) For each calendar day, the NO<sub>x</sub> mass emission rate (as NO<sub>2</sub>) and CO mass emissions rate in pounds per day
- k) For each consecutive 12-month period, the monthly NO<sub>x</sub> (as NO<sub>2</sub>) and CO mass emissions rates in pounds per month and annual NO<sub>x</sub> and CO mass emissions rates in pounds per year and tons per year

(Basis: 1-520.1, 9-9-501, BACT, Offsets, NSPS, Cumulative Increase)

22. To demonstrate compliance with Parts 15(f), 18(c), 19(c), and 43(c) the owner/operator shall calculate and record on a daily basis, the precursor organic compound (POC) mass emissions



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from each power train. The owner/operator shall use the actual heat input rates measured pursuant to Part 21, actual Gas Turbine start-up times, actual Gas Turbine shutdown times, and CEC and District-approved emission factors developed pursuant to source testing under Part 25 to calculate these emissions. The owner/operator shall present the calculated emissions in the following format:

- a) For each calendar day, POC mass emissions, summarized for each gas turbine and S-1 and S-2 combined
- b) For each consecutive 12-month period, the cumulative total POC mass emissions for each gas turbine and S-1 and S-2 combined.

(Basis: Offsets, Cumulative Increase)

23. To demonstrate compliance with Part 20, the owner/operator shall calculate and record on an annual basis the maximum projected annual emissions of: Formaldehyde, Benzene, and Specified PAHs. The owner/operator shall calculate the maximum projected annual emissions using the combined maximum annual heat input rate of 35,397,277 MMBtu/year for S-1 and S-2 combined and the highest emission factor (pounds of pollutant per MMBtu of heat input) determined by the most recent of any source test of the S-1 or S-2 Gas Turbines. If the highest emission factor for a given pollutant occurs during minimum-load turbine operation, a reduced annual heat input rate may be utilized to calculate the maximum projected annual emissions to reflect the reduced heat input rates during gas turbine start-up and minimum-load operation. The reduced annual heat input rate shall be subject to District review and approval. (Basis: Regulation 2, Rule 5)
24. Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1-210) of each of the OGS GE 7FA units or as otherwise approved by the APCO, the owner/operator shall conduct a District-approved source test on each corresponding exhaust point P-1 or P-2 to determine the corrected ammonia ( $\text{NH}_3$ ) emission concentration to determine compliance with Part 15(e). The source test shall determine the correlation between the heat input rates of the gas turbine, A-1 or A-3 SCR System ammonia injection rate, and the corresponding  $\text{NH}_3$  emission concentration at emission point P-1 or P-2. The source test shall be conducted over the expected operating range of the turbine (including, but not limited to, minimum and full load modes) to establish the range of ammonia injection rates necessary to achieve  $\text{NO}_x$  emission reductions while maintaining ammonia slip levels. The owner/operator shall repeat the source testing on an annual basis thereafter. Ongoing compliance with Part 15(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate. The owner/operator shall submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. (Basis: Regulation 2, Rule 5)
25. Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1-210) of each of the OGS GE 7FA units or as otherwise approved by the APCO and, at a minimum, on an annual basis thereafter, the owner/operator shall conduct a District-approved source test on exhaust points P-1 and P-2 while each Gas Turbine is operating at maximum load to determine compliance with Parts 15(a), 15(b), 15(c), 15(d), 15(f), and to establish the emissions factors to be used to demonstrate compliance with Parts 43(d) and 43(c); and while





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each Gas Turbine is operating at minimum load to determine compliance with Parts 15(c) and 15(d); and to verify the accuracy of the continuous emission monitors required in Part 21. The owner/operator shall test for (as a minimum each year): water content, stack gas flow rate, oxygen concentration, precursor organic compound concentration and mass emissions, nitrogen oxide concentration and mass emissions (as NO<sub>2</sub>), carbon monoxide concentration and mass emissions, sulfur dioxide concentration and mass emissions, methane, ethane, and PM<sub>10</sub> emissions including condensable particulate matter. The owner/operator may conduct source tests of individual compounds listed in this part separately. The owner/operator shall submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. The owner/operator may perform up to four tests per year for PM<sub>10</sub> emissions including condensable particulate matter. (Basis: BACT, Offsets, Cumulative Increase)

26. Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1-210) of each OGS GE 7FA units or as otherwise approved by the APCO, the owner/operator shall conduct District- and CEC-approved source tests for that Gas Turbine to determine compliance with the emission limitations specified in Part 16. The source tests shall determine NO<sub>x</sub>, CO, and POC emissions during start-up and shutdown of the gas turbines. The POC emissions shall be analyzed for methane and ethane to account for the presence of unburned natural gas. The source test shall include a minimum of three start-up and three shutdown periods. Thirty working days before the execution of the source tests, the owner/operator shall submit to the District and the CEC Compliance Program Manager (CPM) a detailed source test plan designed to satisfy the requirements of this Part. The District and the CEC CPM will notify the owner/operator of any necessary modifications to the plan within 20 working days of receipt of the plan; otherwise, the plan shall be deemed approved. The owner/operator shall incorporate the District and CEC CPM comments into the test plan. The owner/operator shall notify the District and the CEC CPM within seven (7) working days prior to the planned source testing date. The owner/operator shall submit the source test results to the District and the CEC CPM within 60 days of the source testing date. (Basis: Regulation 2, Rule 2, Section 419)
27. Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1-210) of the second of the OGS GE 7FA gas turbines or as otherwise approved by the APCO, and on a biennial basis (once every two years) thereafter, the owner/operator shall conduct a District-approved source test on one of the following exhaust points P-1 or P-2 while the Gas Turbine is operating at maximum allowable operating rates to demonstrate compliance with Part 20. The owner/operator shall also test the gas turbine while it is operating at minimum load. If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to Part 23 for any of the compounds are less than 50% of the levels listed in Part 20, then the owner/operator may discontinue future testing for that pollutant. (Basis: Regulation 2, Rule 5)
28. Within 90 days of the beginning of the start-up period (as defined in Regulation 2-1-210) of each of the OGS GE 7FA gas turbines or as otherwise approved by the APCO and on an annual basis thereafter, the owner/operator shall conduct a District-approved source test on one of the two exhaust points P-1 or P-2 while the gas turbine is operating at maximum heat input rate to demonstrate compliance with the total sulfuric acid mist emission rate for S-1



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and S-2 of 6.3 tons per year. The owner/operator shall test for (as a minimum) SO<sub>2</sub>, SO<sub>3</sub>, and H<sub>2</sub>SO<sub>4</sub>, and the sulfur content of the fuel. The owner/operator shall submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. (Basis: Regulation 2, Rule 5)

29. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section and the CEC CPM prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements for continuous emission monitors as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section and the CEC CPM in writing of the source test protocols and projected test dates at least 7 days prior to the testing date(s). As indicated above, the owner/operator shall measure the contribution of condensable PM (back half) to any measurement of the total particulate matter or PM<sub>10</sub> emissions. However, the owner/operator may propose alternative measuring techniques to measure condensable PM such as the use of a dilution tunnel or other appropriate method used to capture semi-volatile organic compounds. The owner/operator shall submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. (Basis: BACT, Regulation 2, Rule 2, Section 419)
30. The owner/operator shall ensure that the stack height of emission points P-1 and P-2 is each at least 155.5 feet above grade level at the stack base. (Basis: Regulation 2, Rule 5)

### **Auxiliary Boiler (S-3)**

31. The owner/operator shall submit manufacturer's specifications and emissions guarantees for NO<sub>x</sub> and CO for the Auxiliary Boiler (S-3) to the District Engineering Division and the CEC CPM at least four weeks prior to first firing of Auxiliary Boiler (S-3). (Basis: Regulation 2, Rule 2, Section 419)
32. If Oxidation Catalyst (A-5) is required, the owner/operator shall install, adjust, and operate the A-5 Oxidation Catalyst at the earliest feasible opportunity, in accordance with the recommendations of the equipment manufacturers and the construction contractor, to minimize the emissions of carbon monoxide from S-3 Auxiliary Boiler. (Basis: Regulation 2, Rule 2, Section 419)
33. The heat input rate to the Auxiliary Boiler (S-3) shall not exceed 50.6 MMBtu per hour, averaged over any rolling 3-hour period. (Basis: Cumulative Increase)
34. The heat input rate to the Auxiliary Boiler (S-3) shall not exceed 218,606 MMBtu per year. (Basis: Cumulative Increase)
35. The owner/operator of the Auxiliary Boiler (S-3) shall meet all of the requirements listed in below.
  - a) Nitrogen oxide emissions at P-3 (the exhaust point for the Auxiliary Boiler) shall not exceed 9.8 pounds per day, calculated as NO<sub>2</sub>. (Basis: Regulation 2-I-403)



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b) Carbon monoxide emissions at P-3 shall not exceed 9.8 pounds per day. (Basis: Regulation 2-1-403)

c) POC emissions (as CH<sub>4</sub>) at P-3 shall not exceed 2.8 pounds per day. (Basis: Regulation 2-1-403)

36. The owner/operator shall demonstrate compliance with Parts 35(a), 35(b) and 43(a) and 43(b) by using properly operated and maintained continuous monitors (during all hours of operation including auxiliary boiler start-up, tuning, and shutdown periods). The owner/operator shall monitor for all of the following parameters and record each parameter at least every 15 minutes (excluding normal calibration periods):

a) Firing Hours and Fuel Flow Rates

b) Oxygen (O<sub>2</sub>) concentration, Nitrogen Oxides (NO<sub>x</sub>) concentration, and carbon monoxide (CO) concentration at exhaust point P-3

The owner/operator shall use the parameters measured above and District approved calculation methods to calculate and record the following parameters for the Auxiliary Boiler (S-3):

c) Corrected NO<sub>x</sub> concentration and corrected CO concentration, averaged for each clock hour

d) Corrected NO<sub>x</sub> concentration and corrected CO concentration, averaged for each calendar day

The owner/operator shall use the parameters measured above and District-approved calculation methods to calculate and record the following parameters for Auxiliary Boiler (S-3):

e) For each rolling three hour period, the heat input rate in MMBtu (HHV) per hour

f) For each calendar day, the average hourly heat input rate in MMBtu (HHV) per hour and total daily heat input rate in MMBtu (HHV) per day

g) For each consecutive twelve month period, the total heat input rate in MMBtu (HHV) per year

h) For each clock hour, the NO<sub>x</sub> mass emission rate (as NO<sub>2</sub>) and CO mass emissions rate in pounds per hour

i) For each calendar day, the NO<sub>x</sub> mass emission rate (as NO<sub>2</sub>) and CO mass emissions rate in pounds per day

j) For each consecutive 12-month period, the monthly NO<sub>x</sub> (as NO<sub>2</sub>) and CO mass emissions rates in pounds per month and annual NO<sub>x</sub> (as NO<sub>2</sub>) and CO mass emissions rates in pounds per year and tons per year

(Basis: 1-520.1, 9-7-307, BACT, Offsets, Cumulative Increase)

37. To demonstrate compliance with Part 35(c) the owner/operator shall calculate and record on a daily basis, the precursor organic compound (POC) mass emissions from the auxiliary boiler. The owner/operator shall use the actual heat input rates measured pursuant to Part 36,



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and CEC and District-approved emission factors developed pursuant to source testing under Part 38 to calculate these emissions. The owner/operator shall present the calculated emissions in the following format:

- a) For each calendar day, POC mass emissions, summarized for S-3
- b) For each consecutive 12-month period, the cumulative total POC mass emissions for S-3.

(Basis: Offsets, Cumulative Increase)

38. Within 90 days of start-up of Auxiliary Boiler (S-3), the owner/operator shall conduct a District-approved source test on exhaust point P-3 while the auxiliary boiler is operating at maximum load to determine emission factors for POC,  $PM_{10}$  and  $SO_x$ . The owner/operator shall test for (as a minimum): water content, stack gas flow rate, oxygen concentration, precursor organic compound concentration and mass emissions, nitrogen oxide concentration and mass emissions (as  $NO_2$ ), carbon monoxide concentration and mass emissions, sulfur dioxide concentration and mass emissions, methane, ethane, and  $PM_{10}$  emissions including condensable particulate matter. Thirty working days before the execution of the source tests, the owner/operator shall submit to the District and the CEC Compliance Program Manager (CPM) a detailed source test plan designed to satisfy the requirements of this Part. The District and the CEC CPM will notify the owner/operator of any necessary modifications to the plan within 20 working days of receipt of the plan; otherwise, the plan shall be deemed approved. The owner/operator shall incorporate the District and CEC CPM comments into the test plan. The owner/operator shall notify the District and the CEC CPM within seven (7) working days prior to the planned source testing date. The owner/operator shall submit the source test results to the District and the CEC CPM within 60 days of the source testing date. (Basis: Regulation 2, Rule 2, Section 419)

#### **Conditions for the Fire Pump Diesel Engine (S-4)**

39. The owner/operator shall fire the Fire Pump Diesel Engine (S-4) exclusively on diesel fuel having a sulfur content no greater than 0.0015% by weight. (Regulation 2, Rule 5, Cumulative Increase, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.5(a))
40. The owner/operator shall operate the Fire Pump Diesel Engine (S-4) for no more than 49 hours per year for the purpose of reliability testing and non-emergency operation. (Regulation 2, Rule 5, Cumulative Increase, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A))
41. The owner/operator shall operate the Fire Pump Diesel Engine (S-4) only when a non-resettable totalizing hour meter (with a minimum display capability of 9,999 hours) is installed, operated and properly maintained. (Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))





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42. The owner/operator shall maintain the following monthly records for Fire Pump Engine (S-4) in a District-approved log for at least 5 years.

- a. Hours of operation for reliability-related activities (maintenance and testing).
- b. Hours of operation for emission testing to show compliance with emission limits.
- c. Hours of operation for emergency use.
- d. For each emergency, the nature of the emergency condition.
- e. Fuel usage.

Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request. (Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g))

**Conditions for the Combined-Cycle Gas Turbines (S-1 and S-2), Auxiliary Boiler (S-3), and Fire Pump Engine (S-4)**

43. The owner/operator shall not allow total combined emissions from the Gas Turbines (S-1 and S-2), including emissions generated during gas turbine start-ups, combustor tuning, shutdowns, and malfunctions, the auxiliary boiler (S-3), including emissions generated during auxiliary boiler start-ups, tune-ups, shutdowns, and malfunctions, and the fire pump diesel engine (S-4), including non-emergency and emergency operation, to exceed the following limits during any consecutive twelve-month period:

- |  |                              |
|--|------------------------------|
| a) 98.78 tons of NO <sub>x</sub> (as NO <sub>2</sub> ) | (Basis: Offsets)             |
| b) 98.82 tons of CO                                    | (Basis: Cumulative Increase) |
| c) 29.49 tons of POC (as CH <sub>4</sub> )             | (Basis: Offsets)             |
| d) 63.78 tons of PM <sub>10</sub>                      | (Basis: Cumulative Increase) |
| e) 12.55 tons of SO <sub>2</sub>                       | (Basis: Cumulative Increase) |

Compliance with the limits in this part shall be determined using the following procedures:

Emissions of PM<sub>10</sub> and SO<sub>2</sub> from each gas turbine shall be calculated by multiplying turbine fuel usage times an emission factor determined by source testing of the turbine conducted in accordance with Part 25. The emission factor for each turbine shall be based on the average of the emissions rates observed during the 4 most recent source tests on that turbine (or, prior to the completion of 4 source tests on a turbine, on the average of the emission rates observed during all source tests on the turbine).

Emissions of PM<sub>10</sub>, SO<sub>2</sub>, and POC from the auxiliary boiler shall be calculated by multiplying auxiliary boiler fuel usage times an emission factor determined by source testing of the auxiliary boiler conducted in accordance with Part 38.

The owner/operator shall calculate emissions from the fire pump diesel engine from the hours of operation recorded in Part 42 and the following emission factors:





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NO<sub>x</sub>: 2.62 g/hp-hr

CO: 0.67 g/hp-hr

POC: 0.14 g/hp-hr

PM: 0.119 g/hp-hr

SO<sub>x</sub>: 0.004 g/hp-hr

44. To demonstrate compliance with Part 43, the owner/operator shall record the total emissions for each consecutive 12-month period. The owner/operator shall calculate emissions of each pollutant listed in Part 43(a) through (e) from the gas turbines, auxiliary boiler, and fire pump diesel engine for each calendar month using the calculation procedures established in Part 43, and shall calculate annual emissions to determine compliance with the limits listed in Part 43(a) through (e) by summing the monthly totals for the previous 12 months. (Basis: Regulation 2, Rule 2, Section 419)
45. The owner/operator shall submit all reports (including, but not limited to monthly CEM reports, monitor breakdown reports, emission excess reports, equipment breakdown reports, etc.) as required by District Rules or Regulations and in accordance with all procedures and time limits specified in the Rule, Regulation, Manual of Procedures, or Compliance and Enforcement Division Policies & Procedures Manual. (Basis: Regulation 2, Rule 1, Section 403)
46. The owner/operator shall maintain all records and reports on site for a minimum of 5 years. These records shall include but are not limited to: continuous monitoring records (firing hours, fuel flows, emission rates, monitor excesses, breakdowns, etc.), source test and analytical records, natural gas sulfur content analysis results, emission calculation records, records of plant upsets and related incidents. The owner/operator shall make all records and reports available to District and the CEC CPM staff upon request. (Basis: Regulation 2, Rule 1, Section 403, Regulation 2, Rule 6, Section 501)
47. The owner/operator shall notify the District and the CEC CPM of any violations of these permit conditions. Notification shall be submitted in a timely manner, in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, the owner/operator shall submit written notification (facsimile is acceptable) to the Compliance and Enforcement Division within 96 hours of the violation of any permit condition. (Basis: Regulation 2, Rule 1, Section 403)
48. The owner/operator shall provide adequate stack sampling ports and platforms to enable the performance of source testing. The location and configuration of the stack sampling ports shall comply with the District Manual of Procedures, Volume IV, Source Test Policy and Procedures, and shall be subject to BAAQMD review and approval, except that the facility shall provide four sampling ports that are at least 6 inches in diameter in the same plane of each gas turbine stack (P-1, P-2). (Basis: Regulation 1, Section 501)
49. Within 180 days of the issuance of the Authority to Construct for the OGS, the owner/operator shall contact the BAAQMD Technical Services Division regarding



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requirements for the continuous emission monitors, sampling ports, platforms, and source tests required by Parts 24 through 28, and 38. The owner/operator shall conduct all source testing and monitoring in accordance with the District approved procedures. (Basis: Regulation 1, Section 501)

50. The owner/operator shall ensure that the OGS complies with the continuous emission monitoring requirements of 40 CFR Part 75. (Basis: Regulation 2, Rule 7)

***End of Conditions***